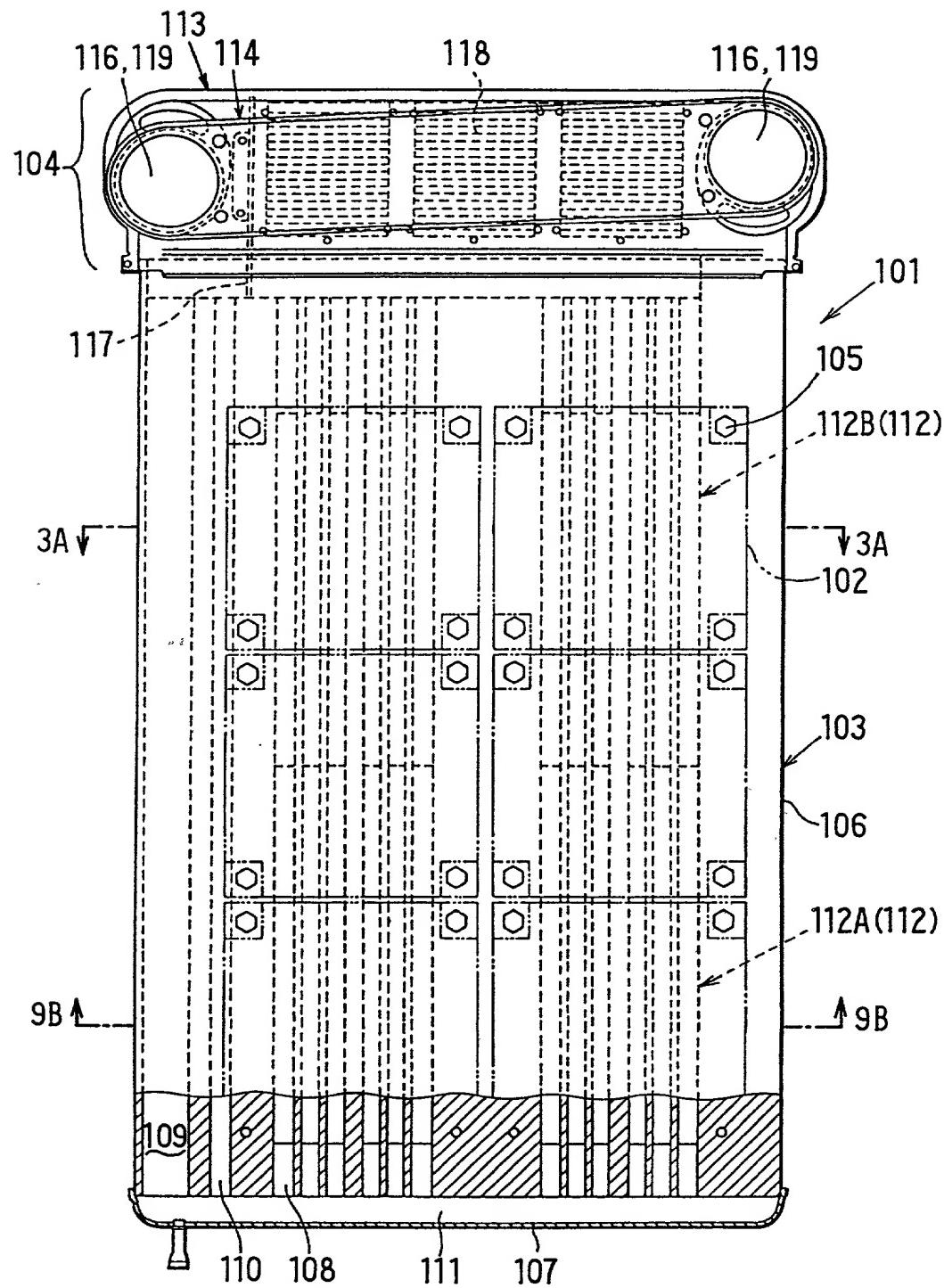


FIG. I



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 2

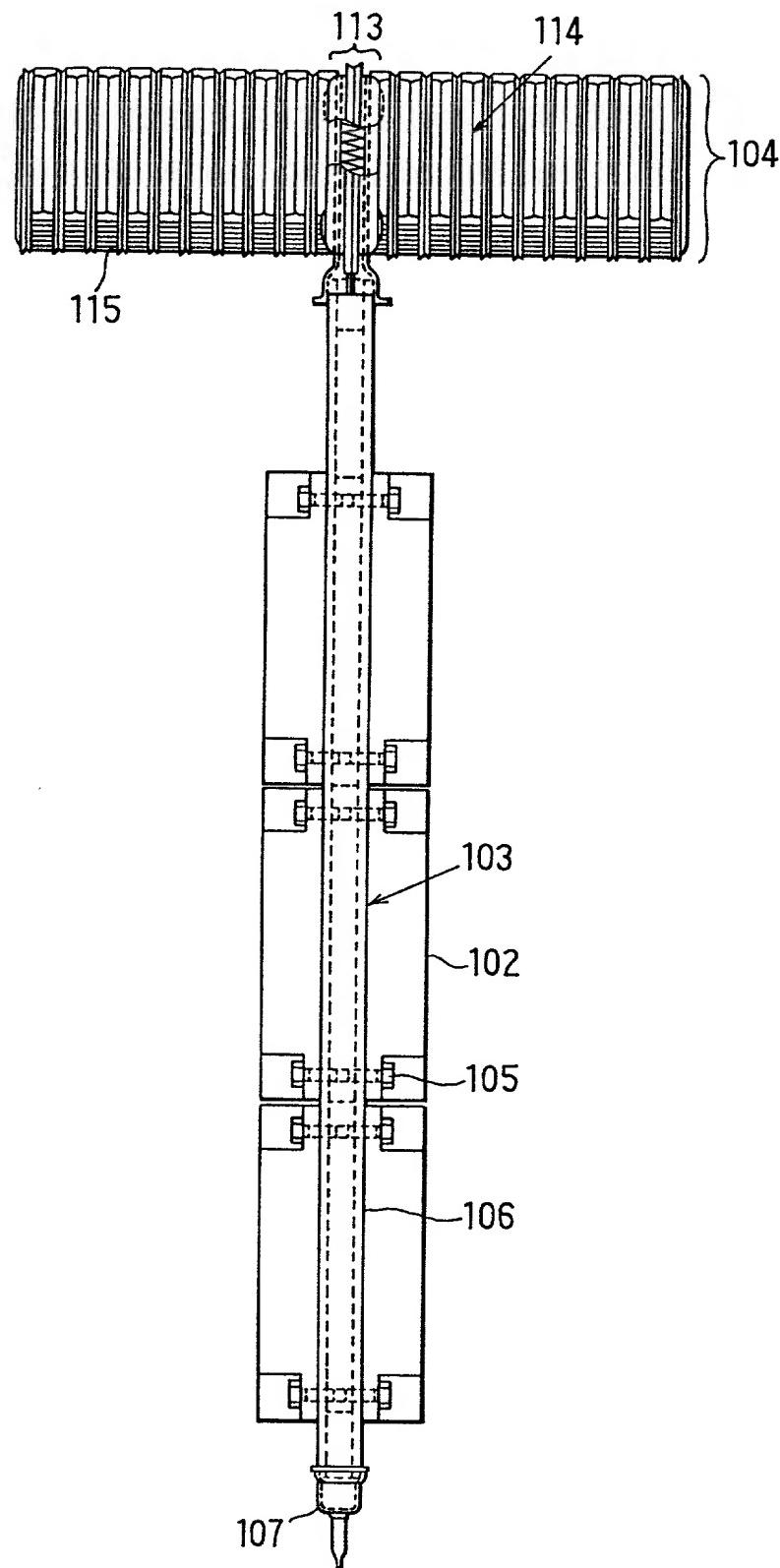


FIG. 3A

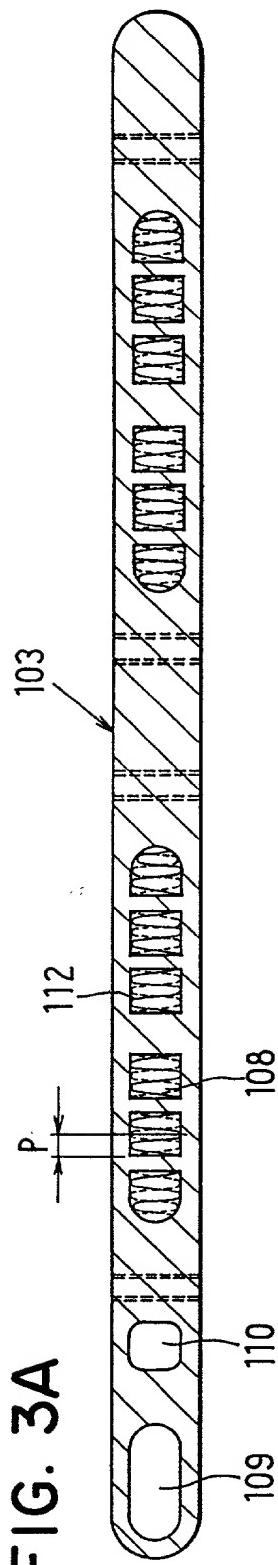
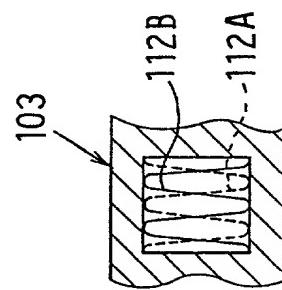


FIG. 3B



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 4

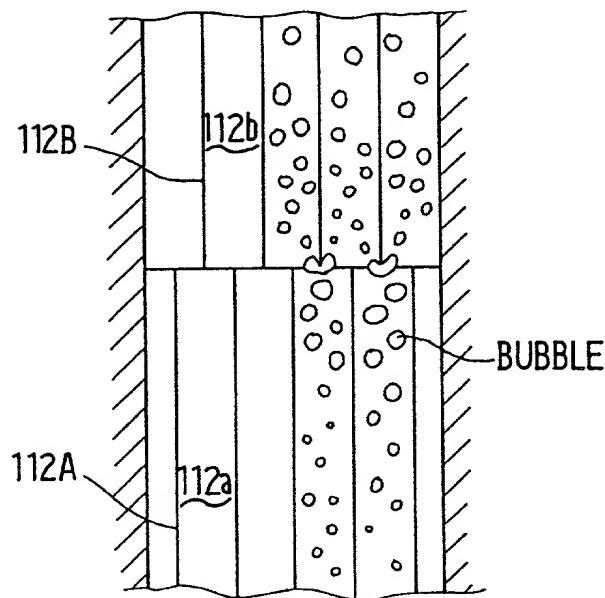


FIG. 5

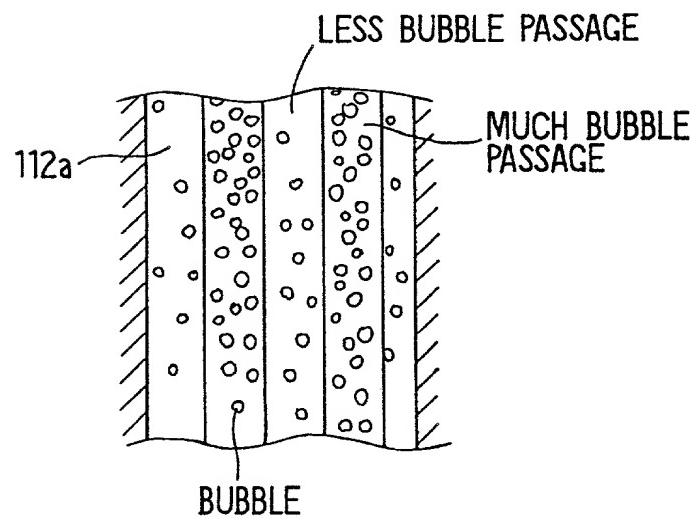
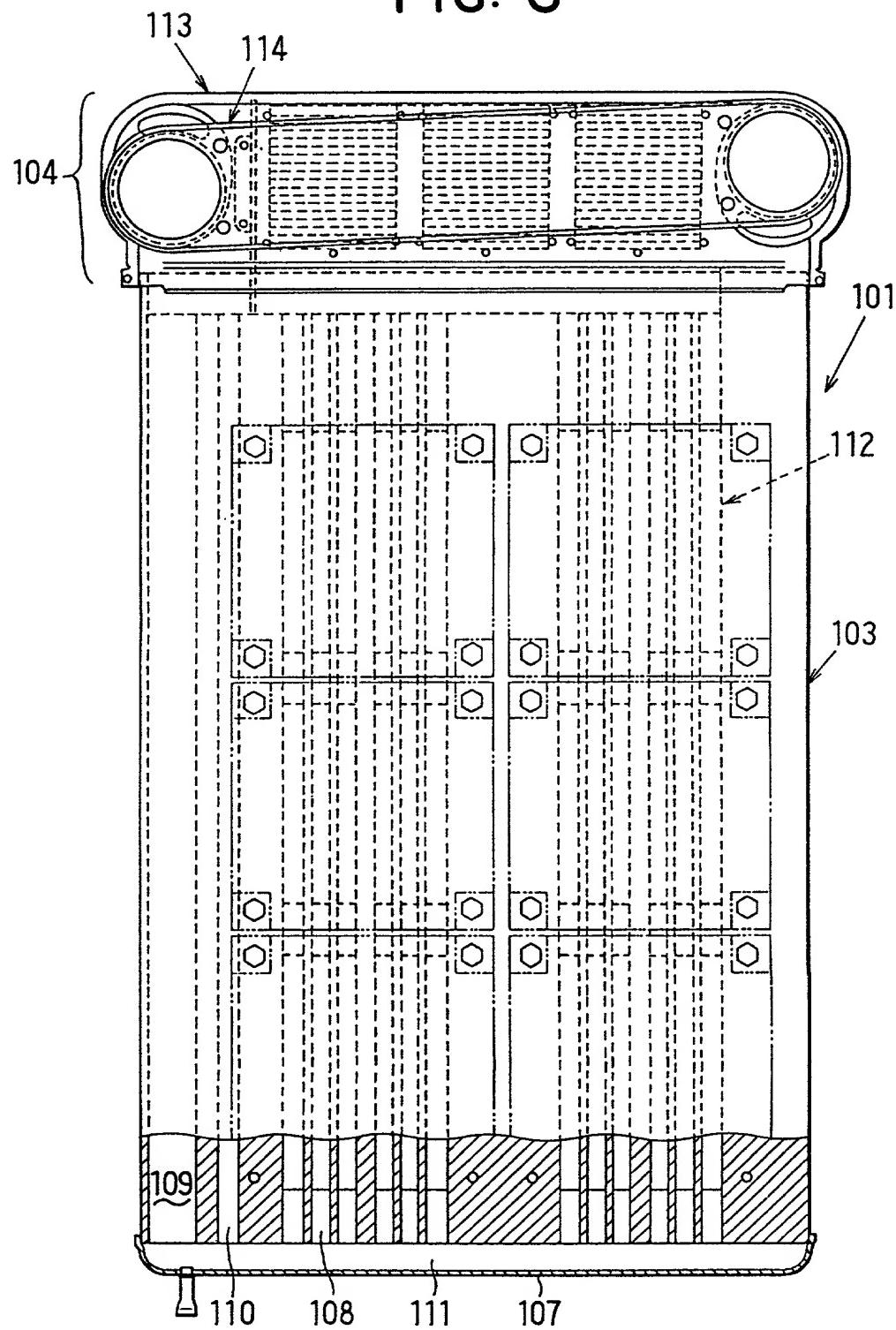


FIG. 6



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 7

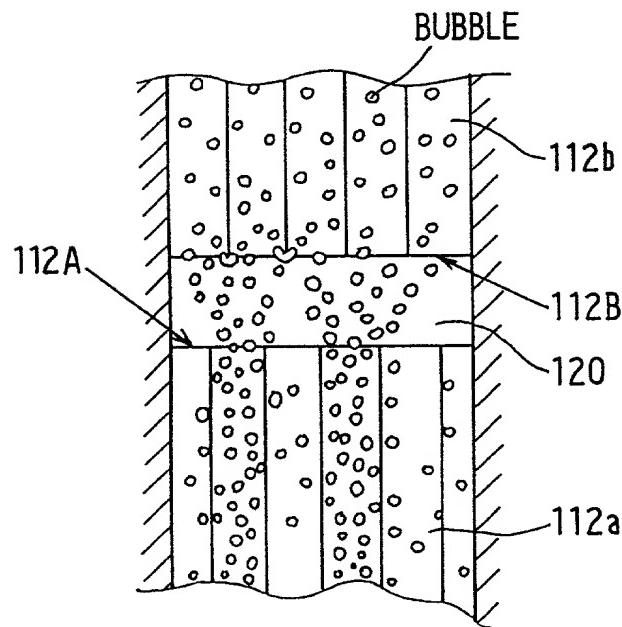
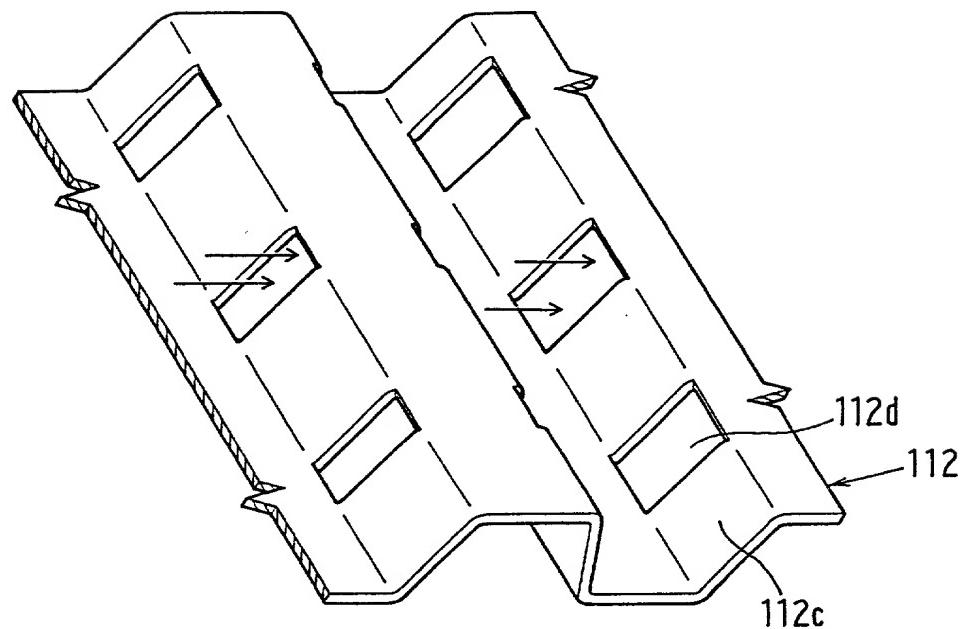


FIG. 8



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 9A

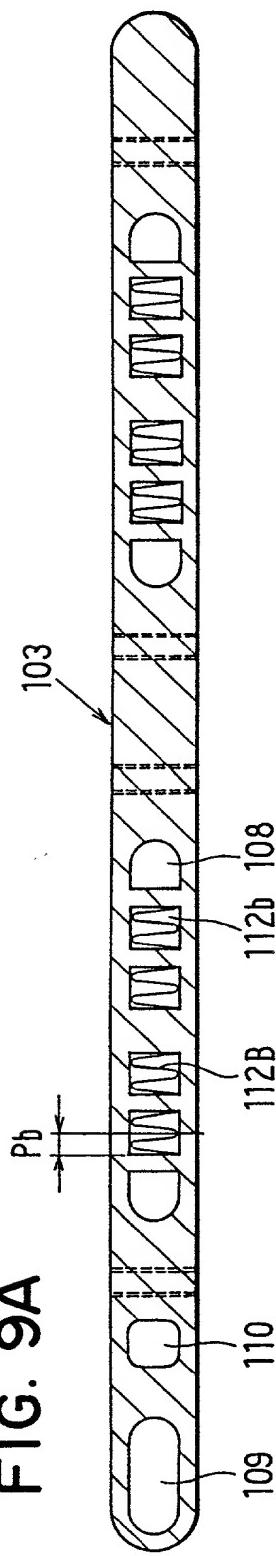
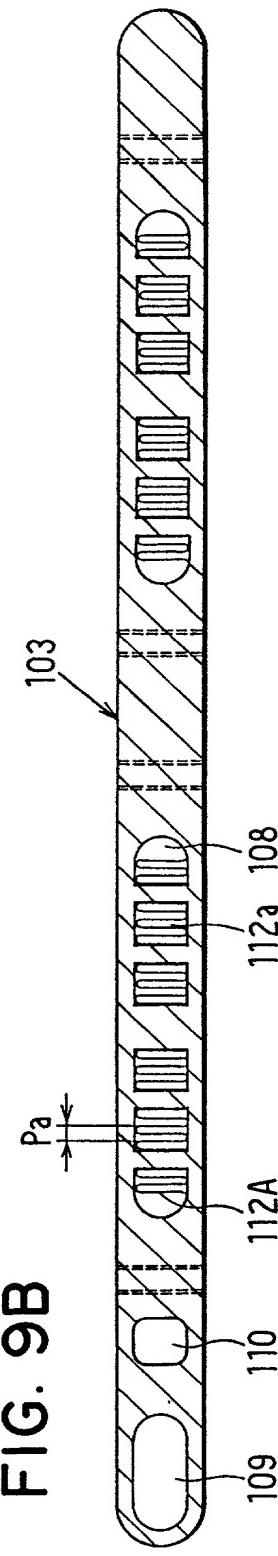


FIG. 9B



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. IO
PRIOR ART

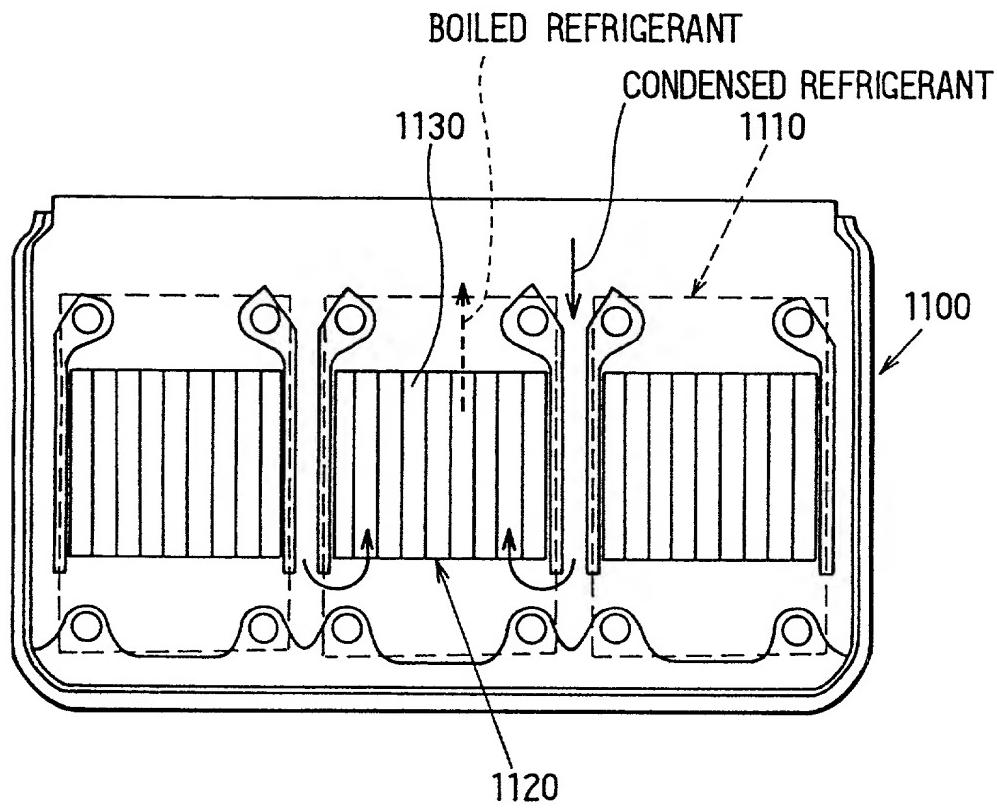
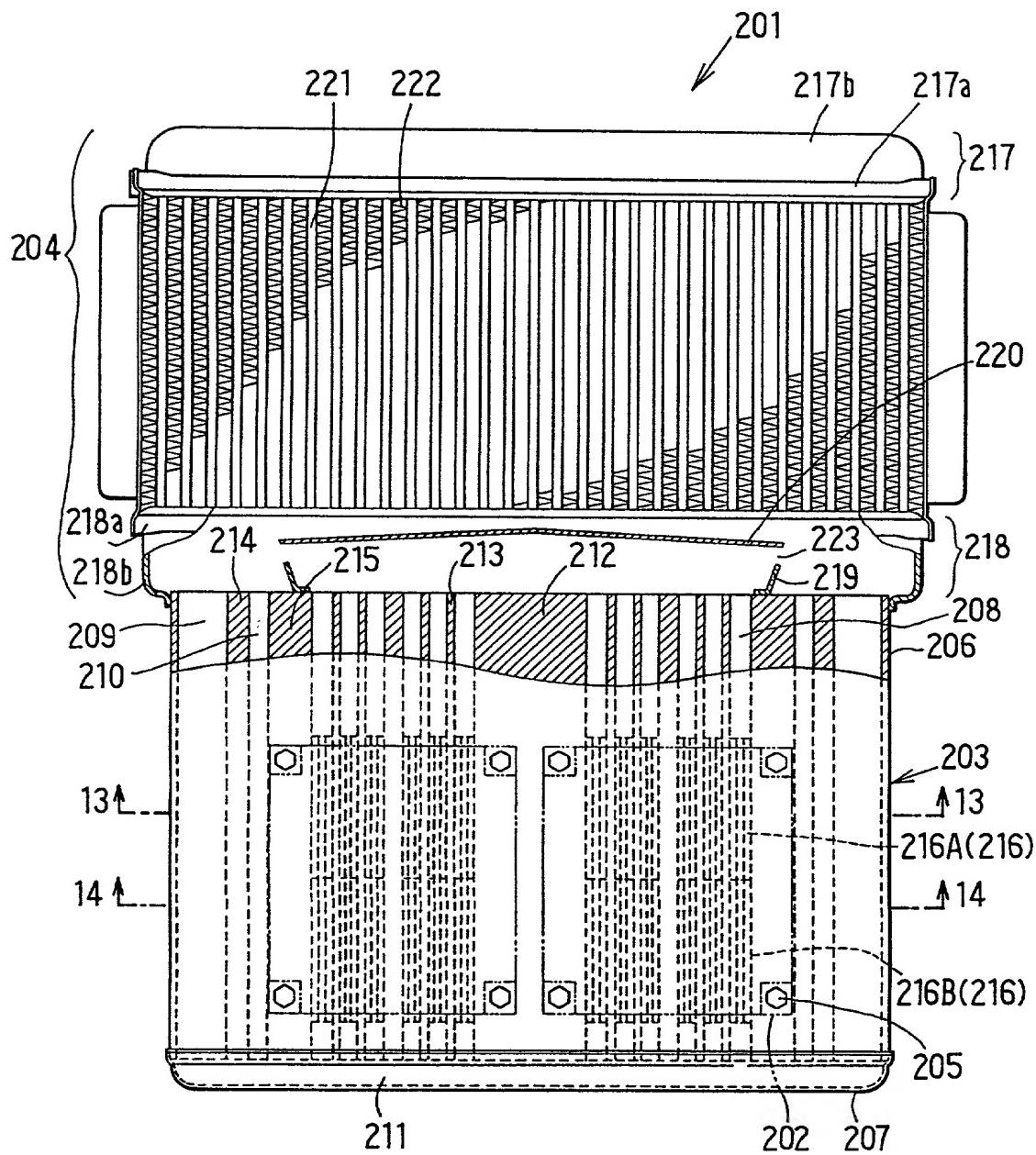


FIG. 11



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 12

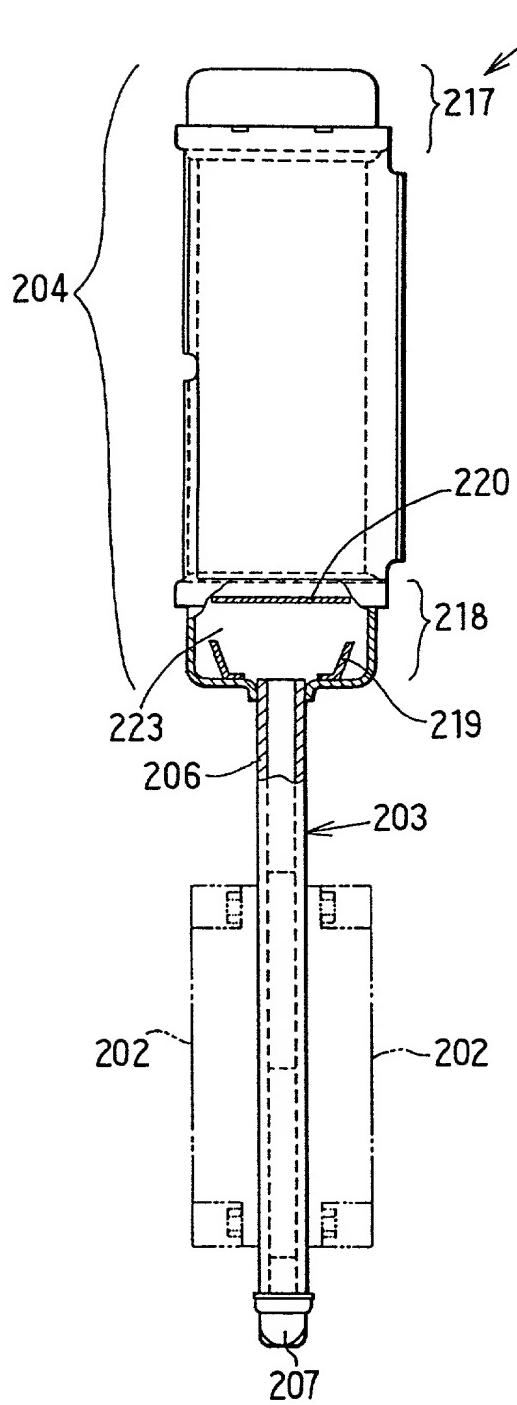
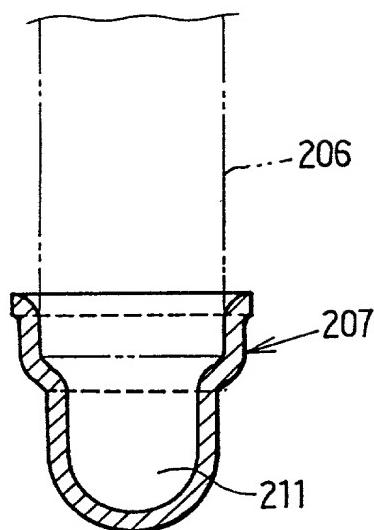


FIG. 15



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 13

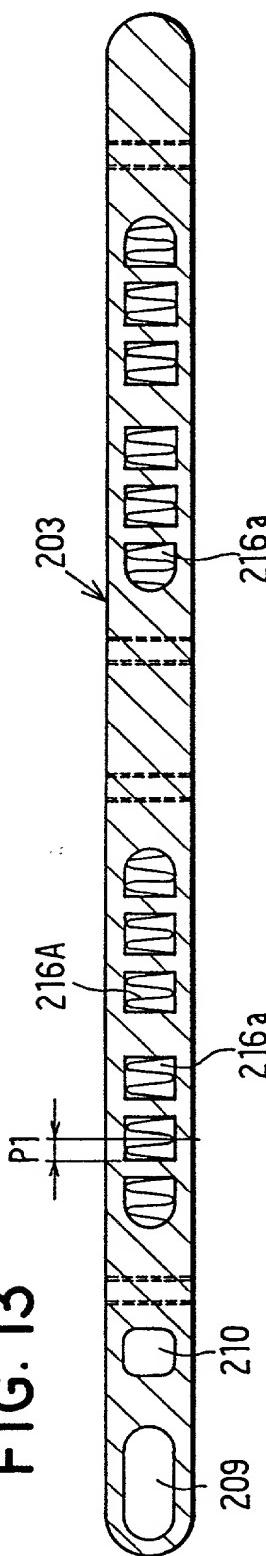
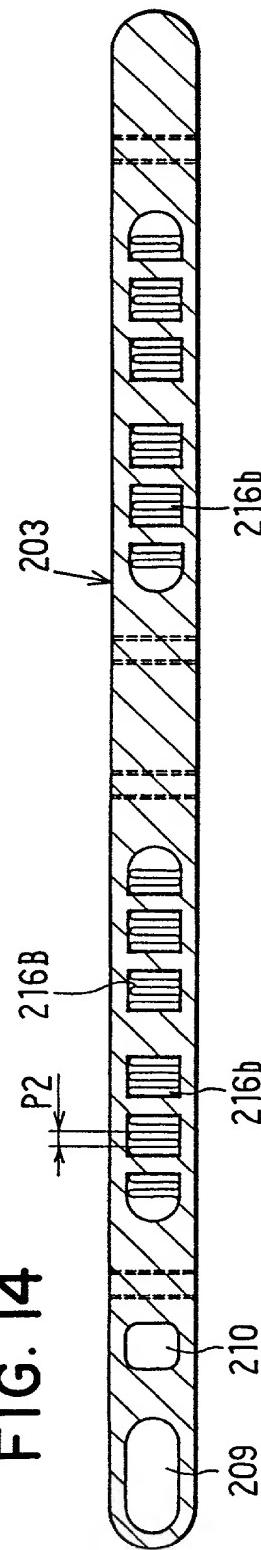
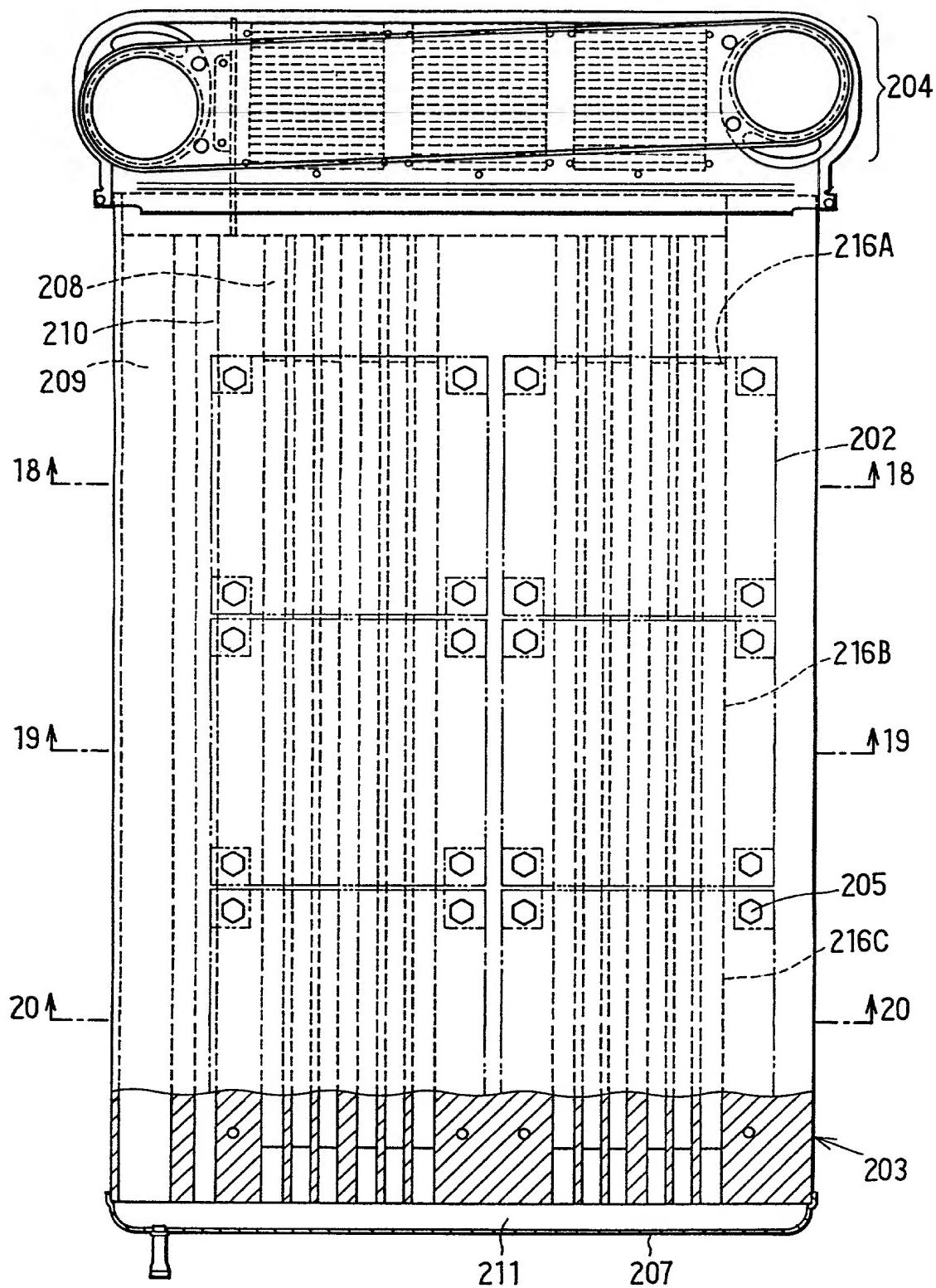


FIG. 14



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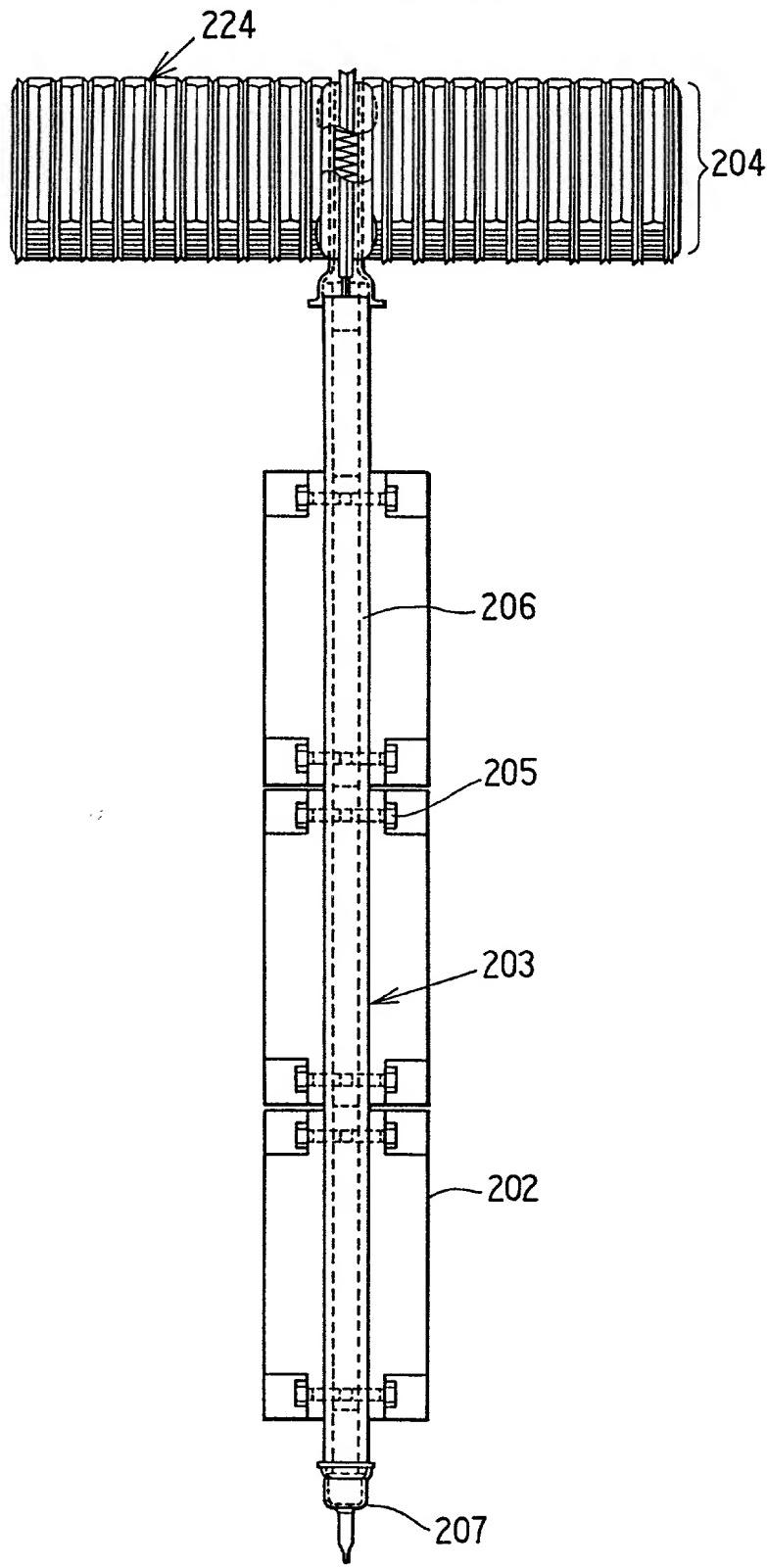
FIG. 16



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 17



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 18

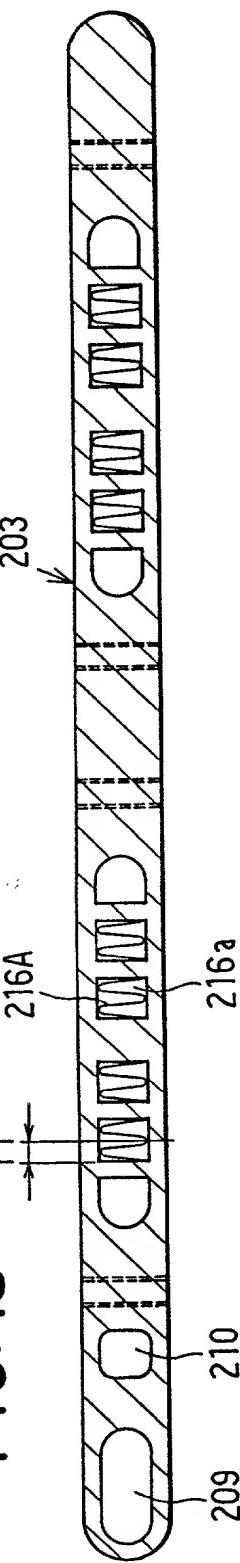
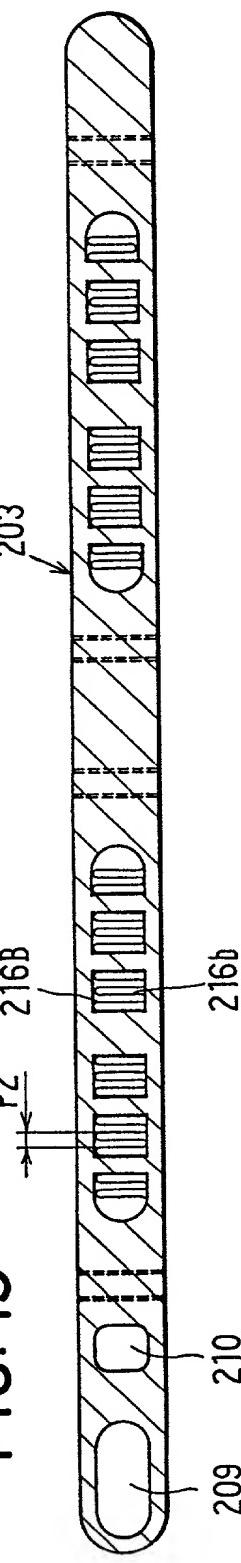


FIG. 19



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 20

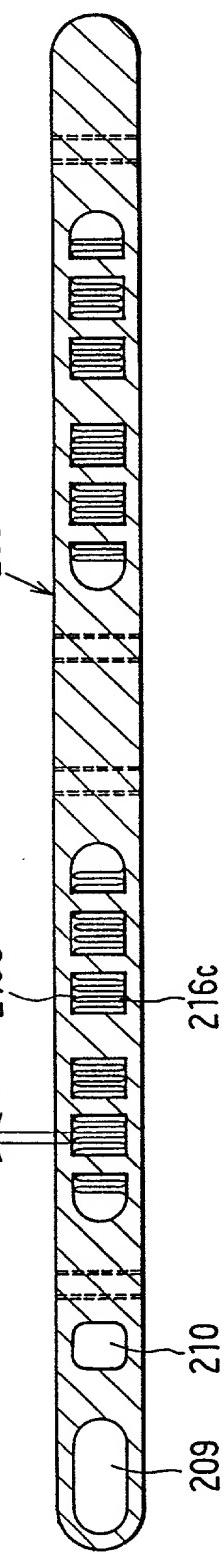
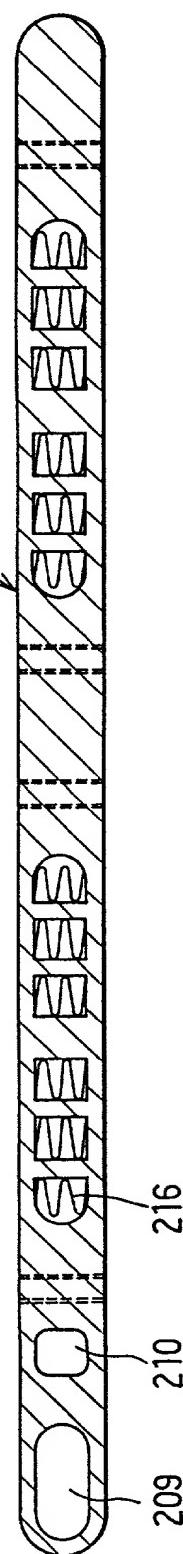


FIG. 21



Title: Cooling Apparatus Boiling and Condensing Refrigerant

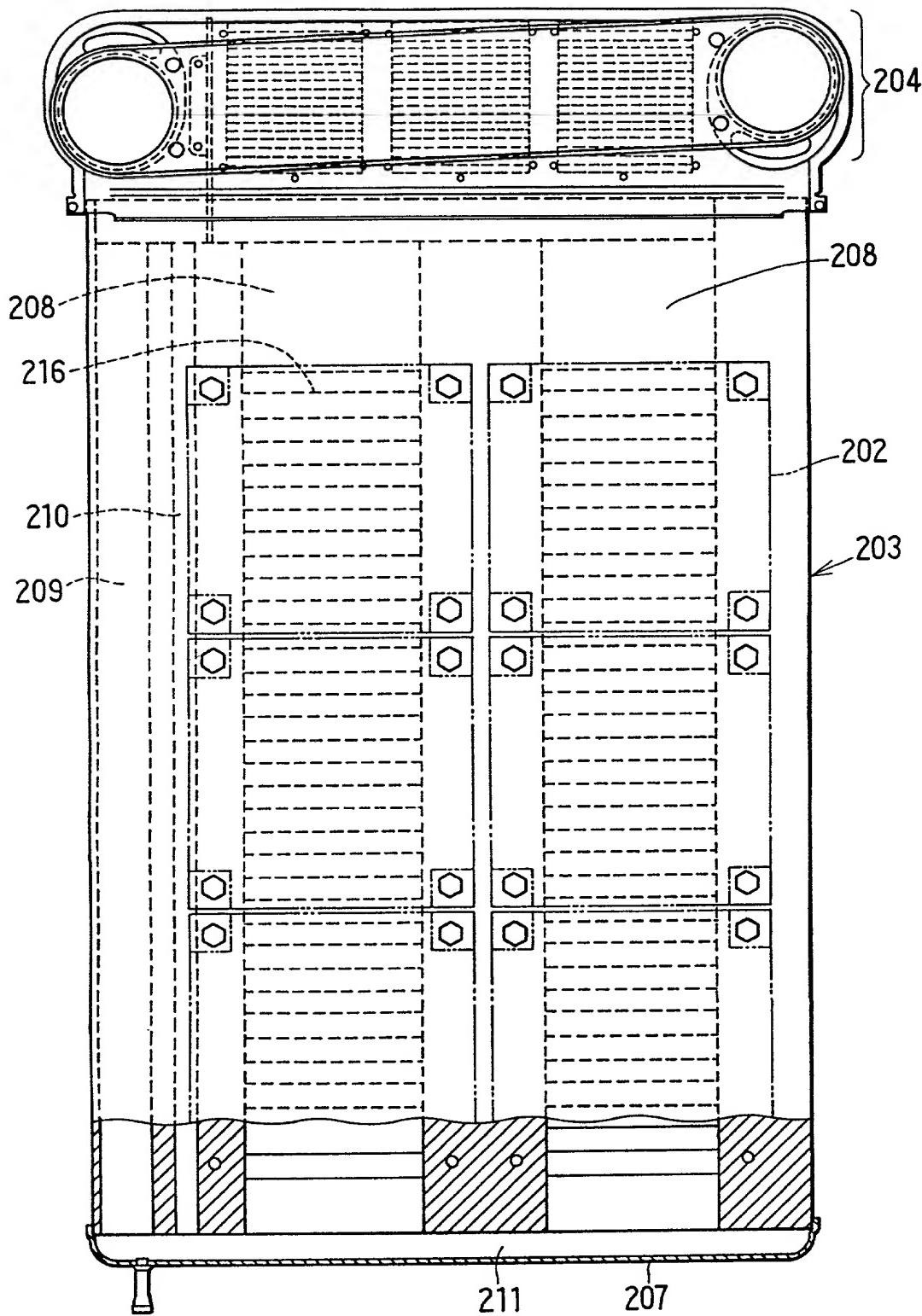
Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 22



Title: Cooling Apparatus Boiling and Condensing Refrigerant

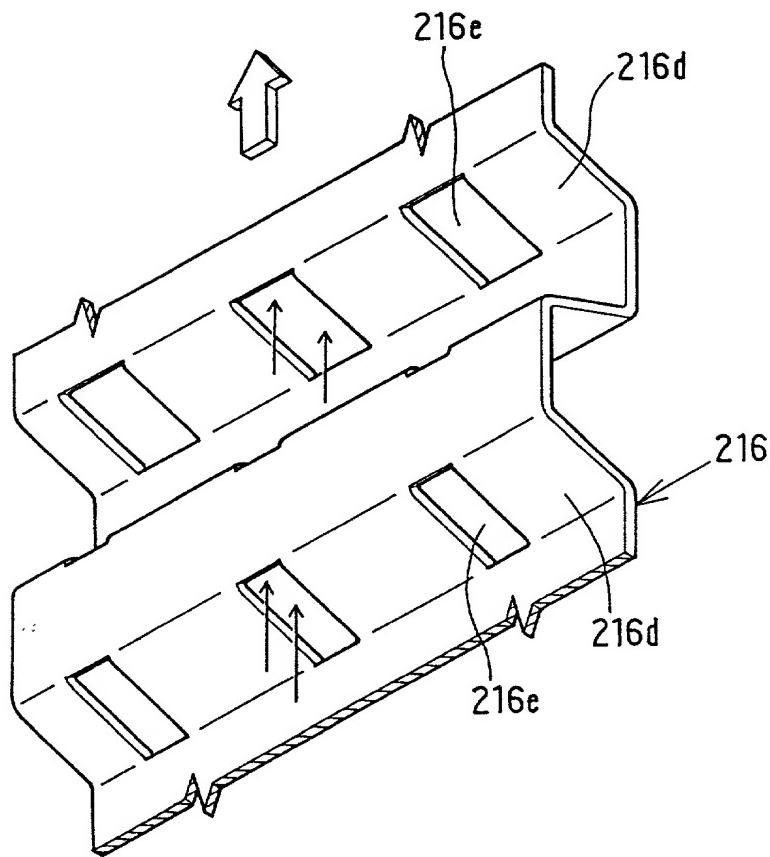
Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 23



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 24

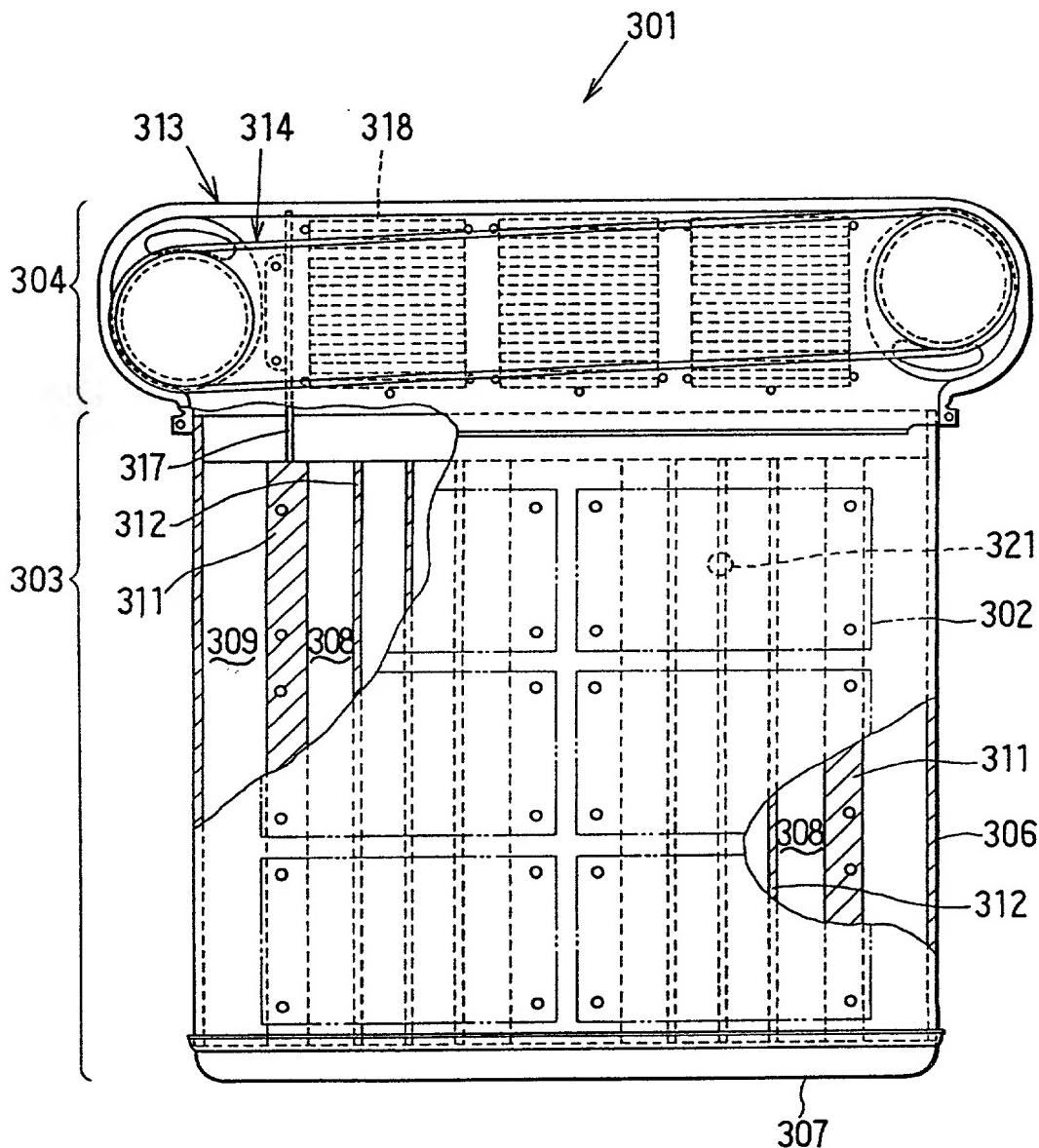


FIG. 25

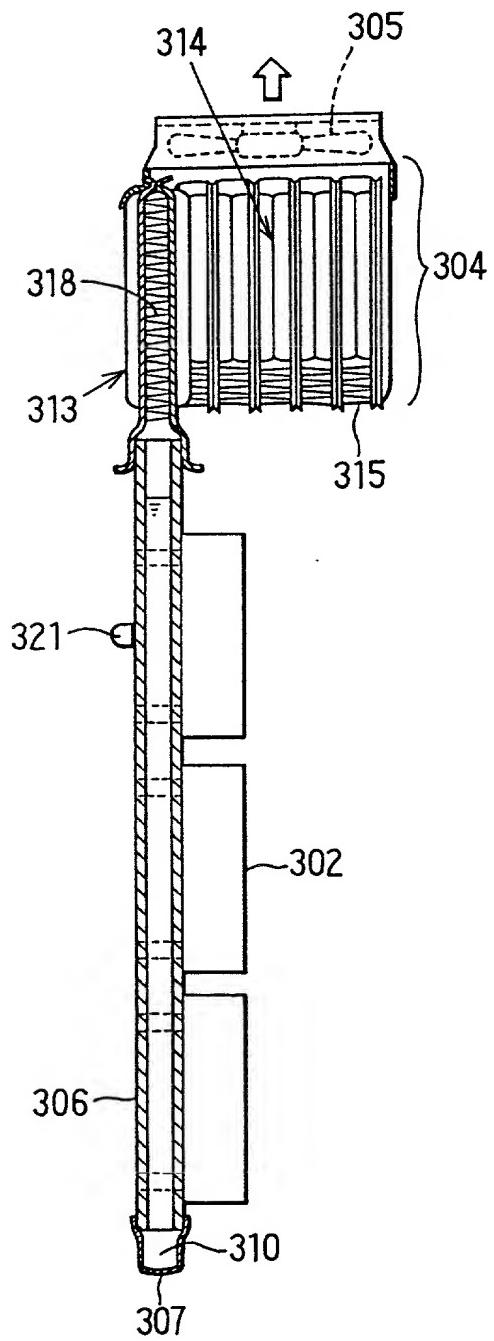
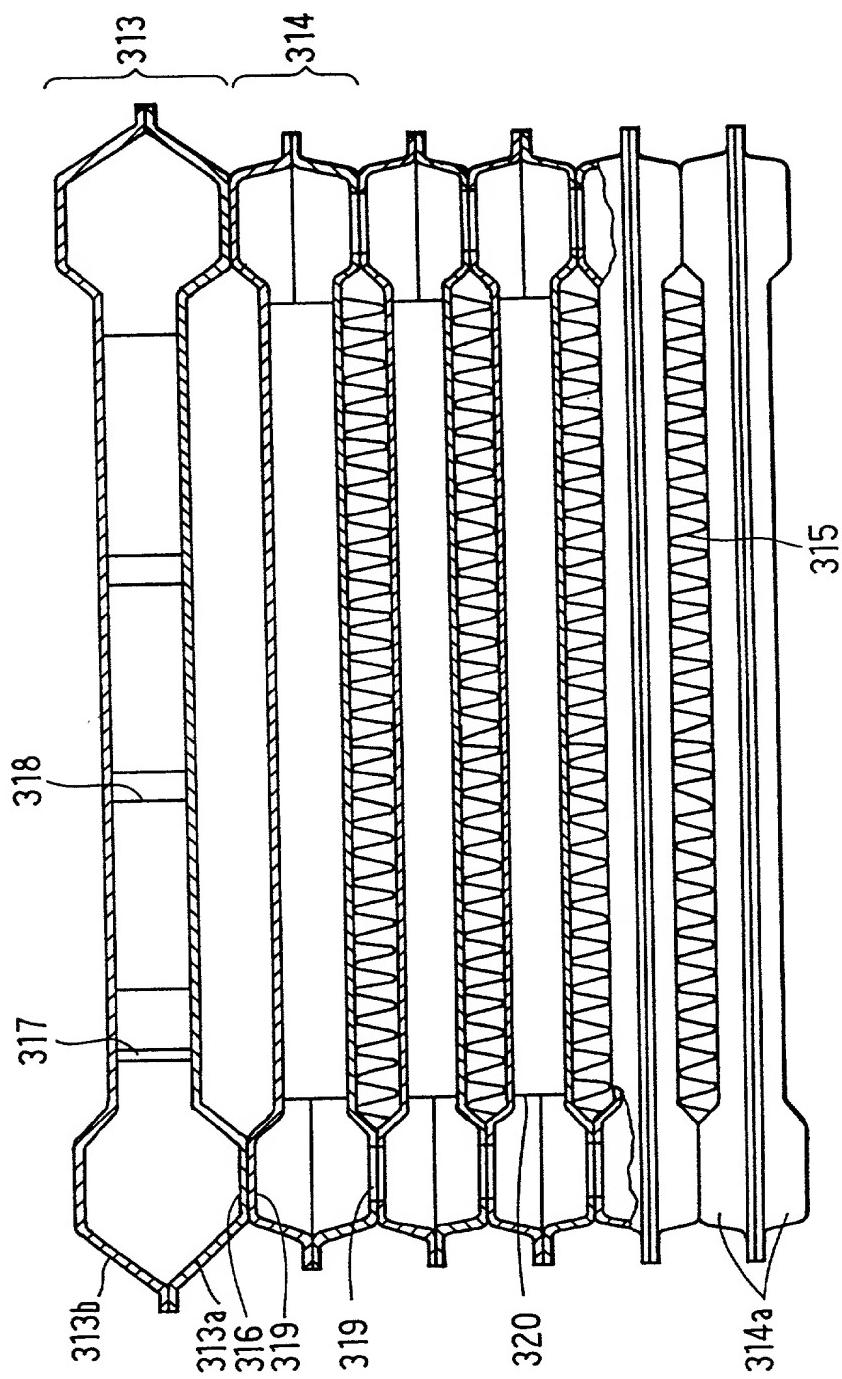


FIG. 26



Title: Cooling Apparatus Boiling and Condensing Refrigerant

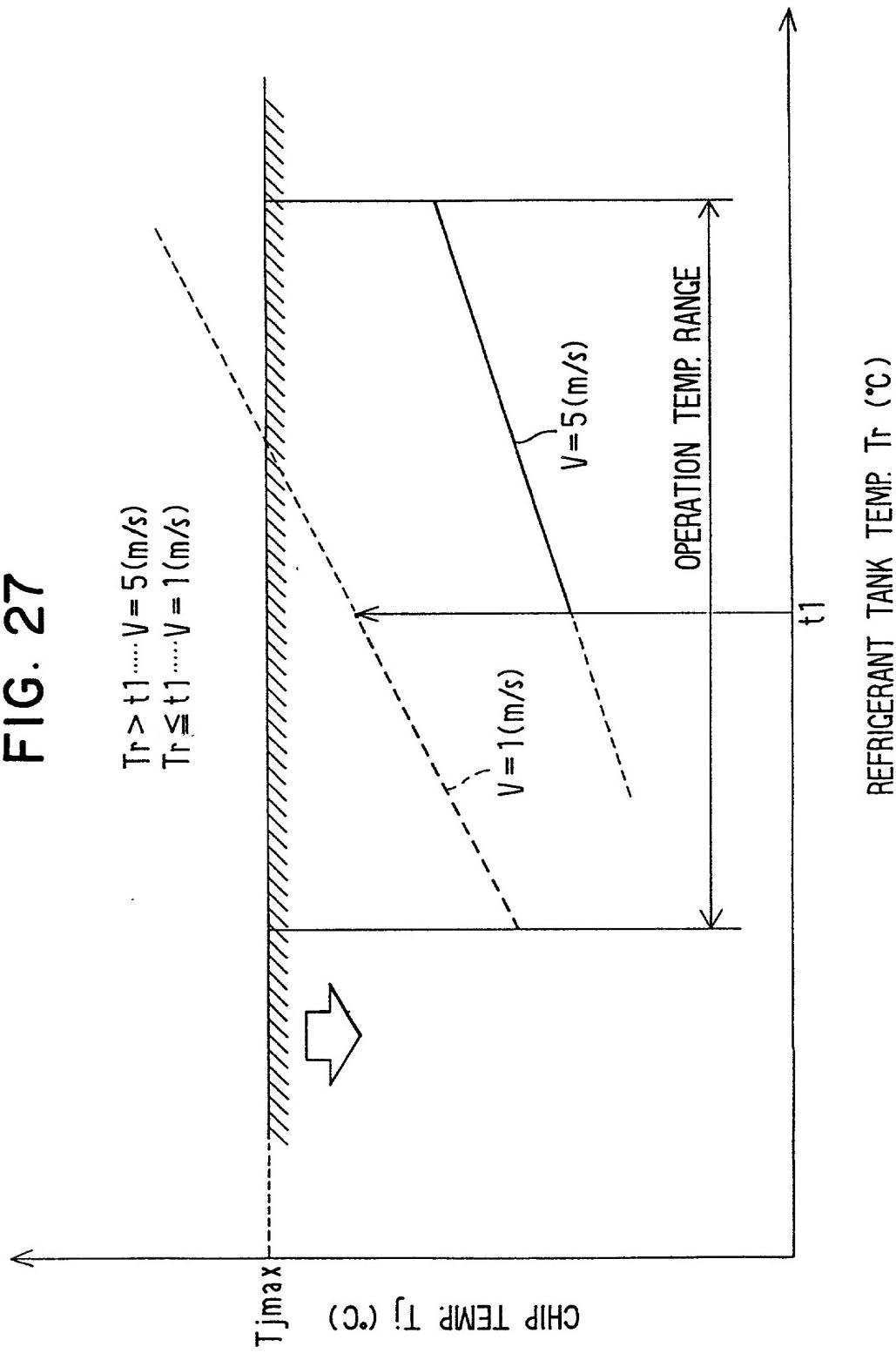
Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 27



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 28

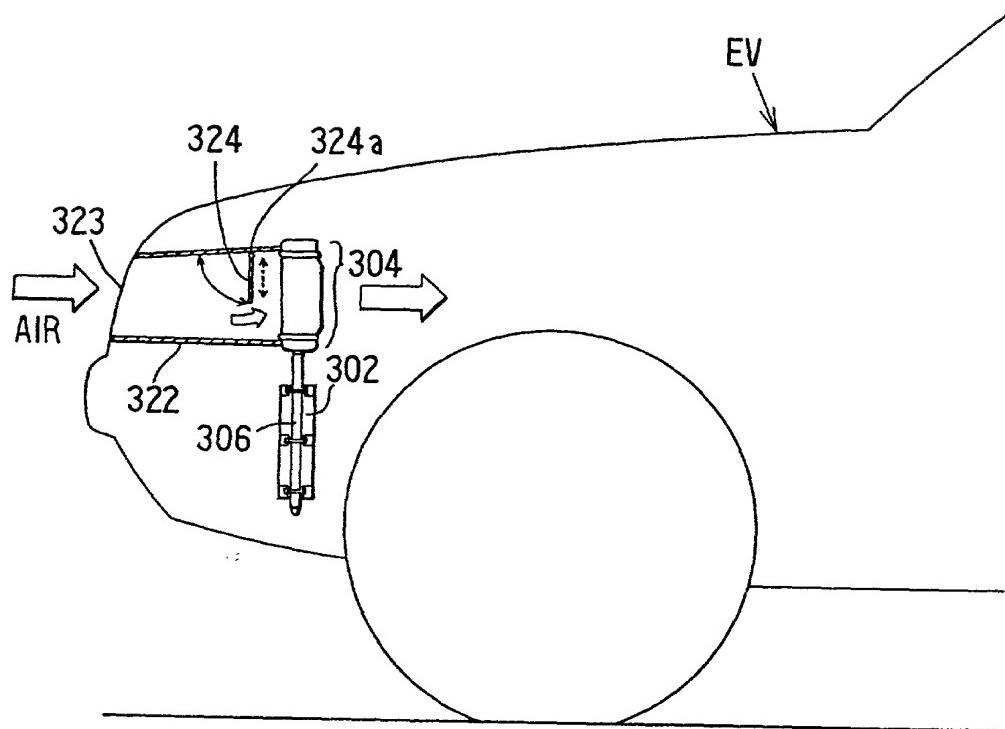
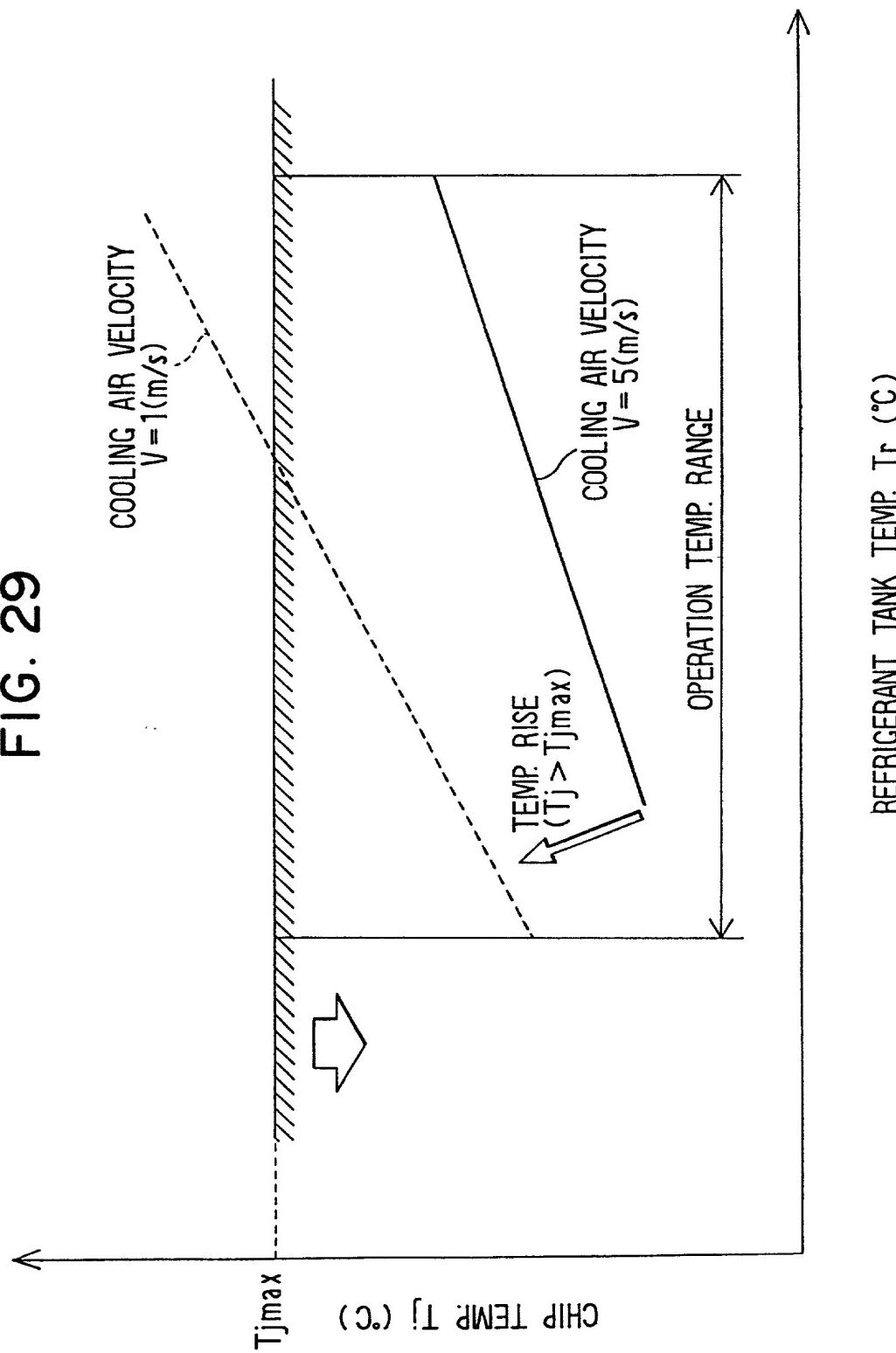


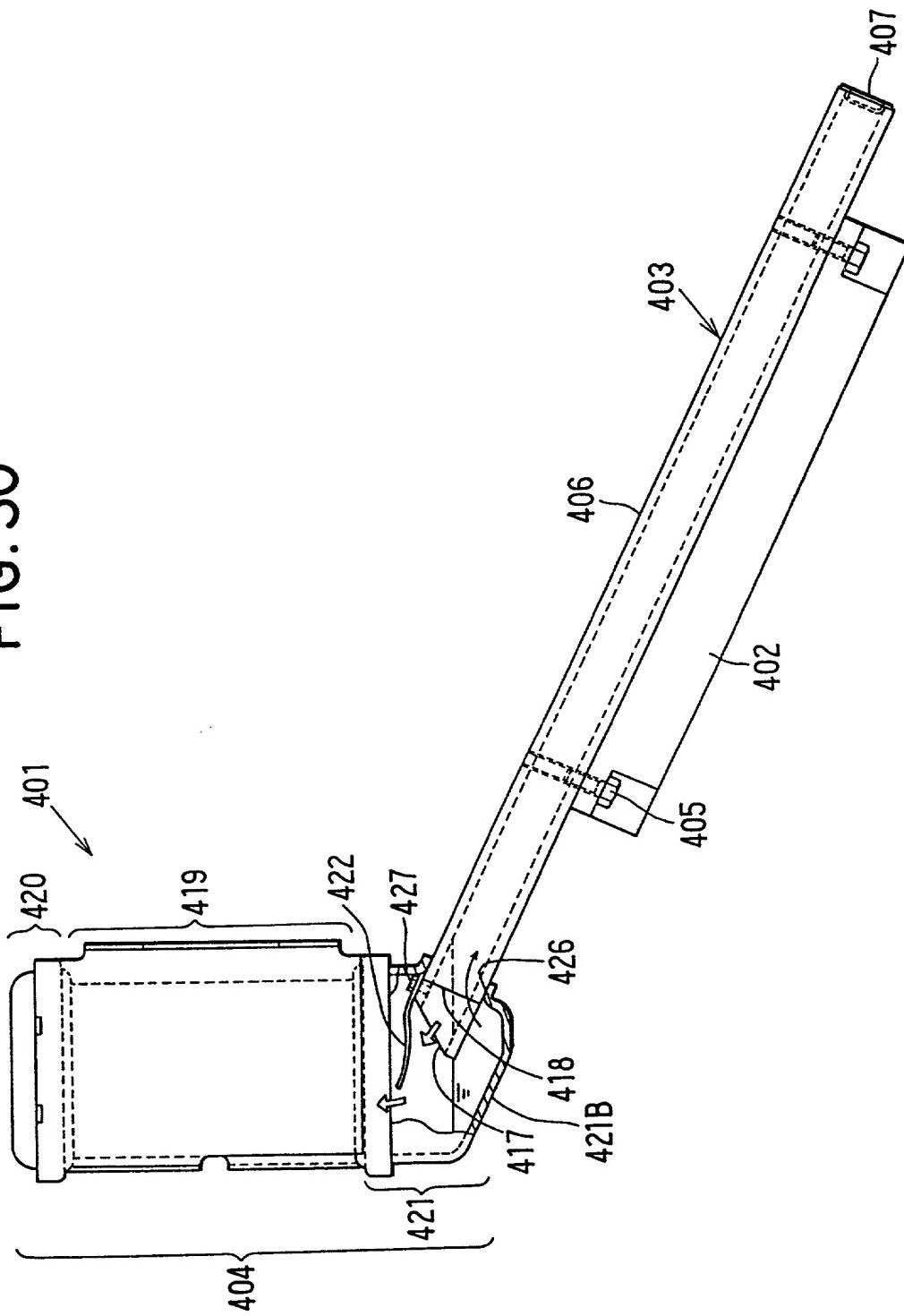
FIG. 29



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 30



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 31

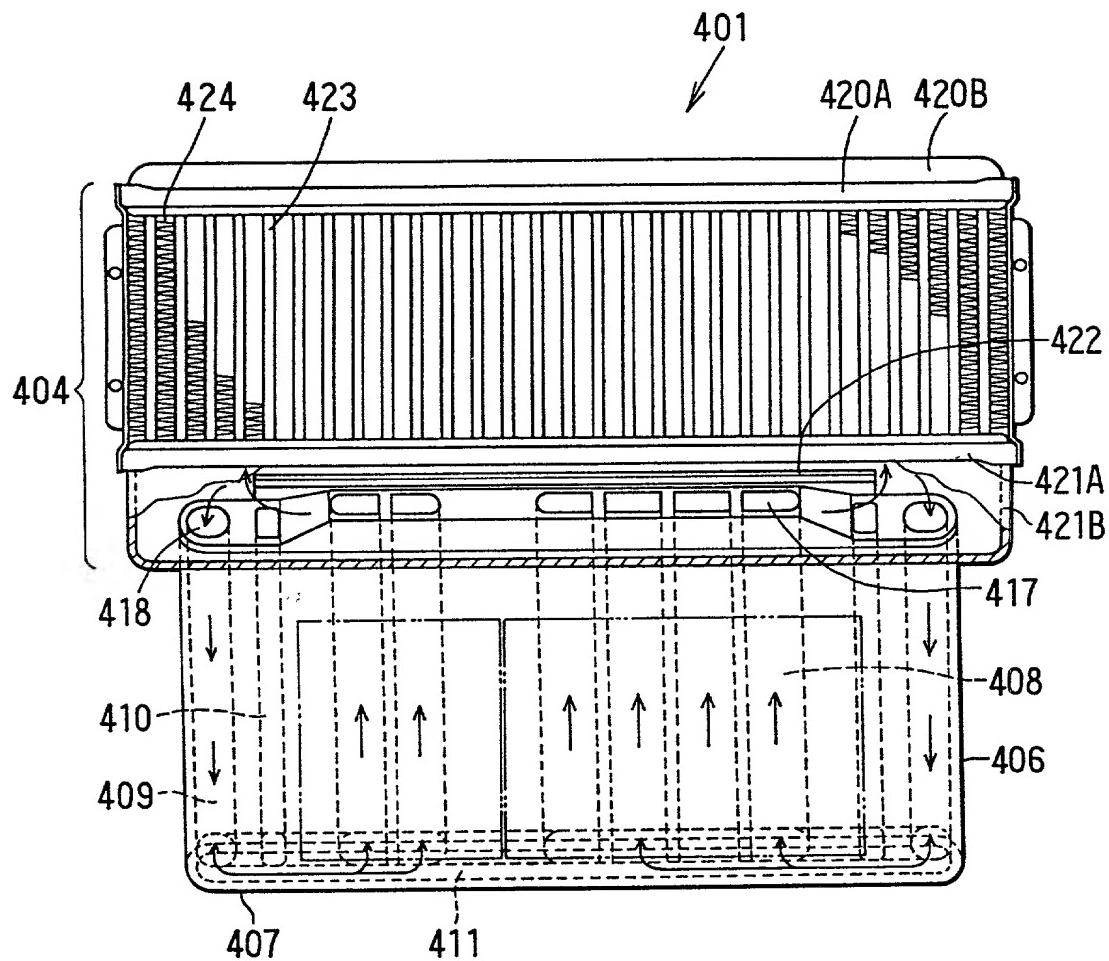


FIG. 32A

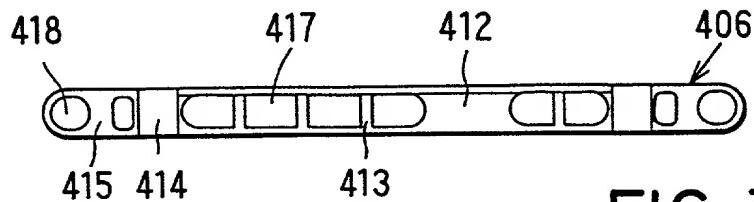


FIG. 32C

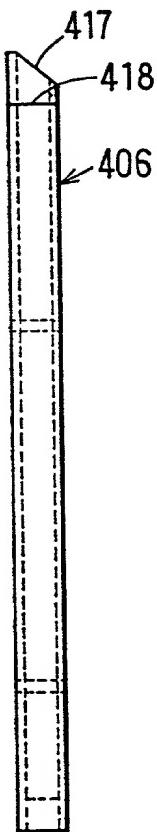
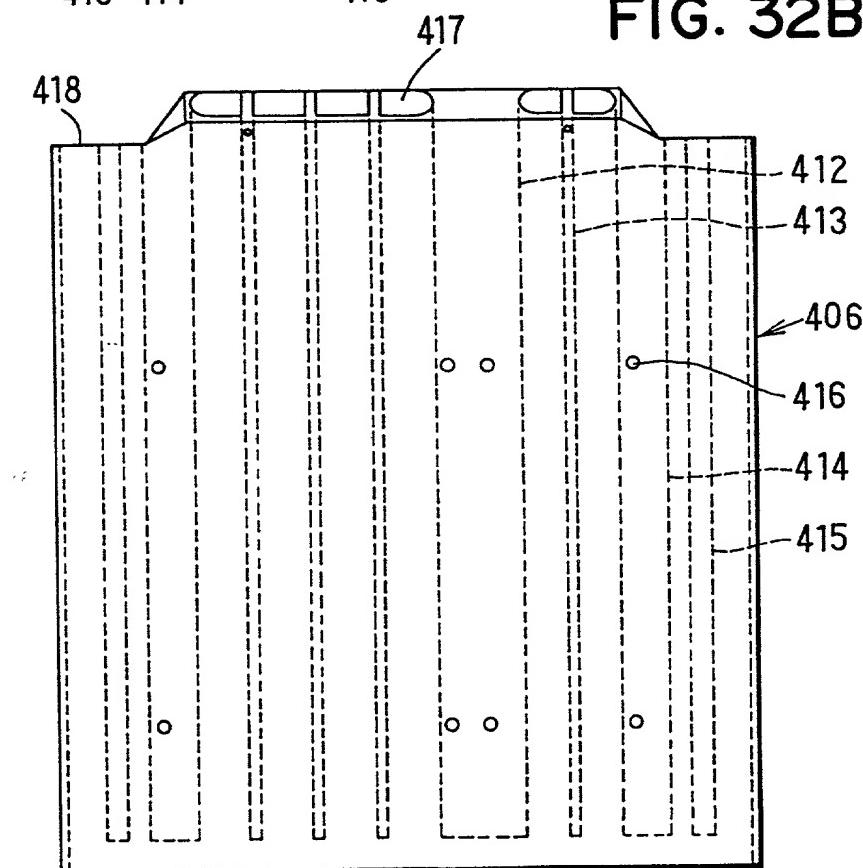


FIG. 32B



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FIG. 33A

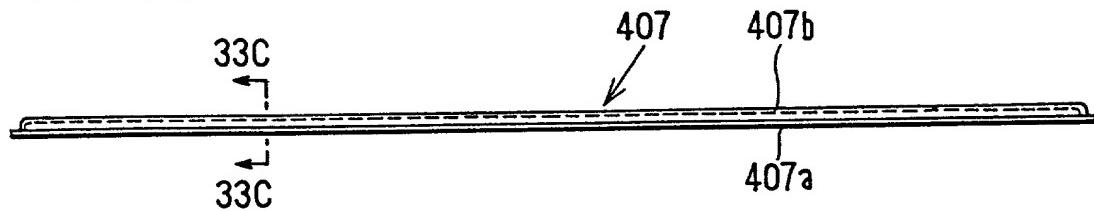


FIG. 33B

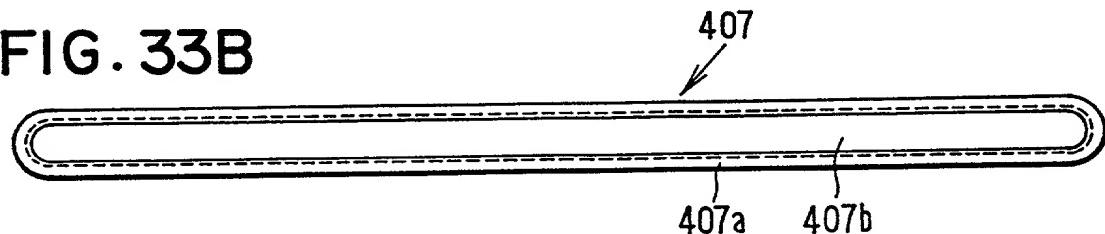


FIG. 33C

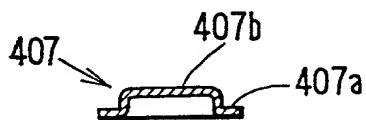


FIG. 34

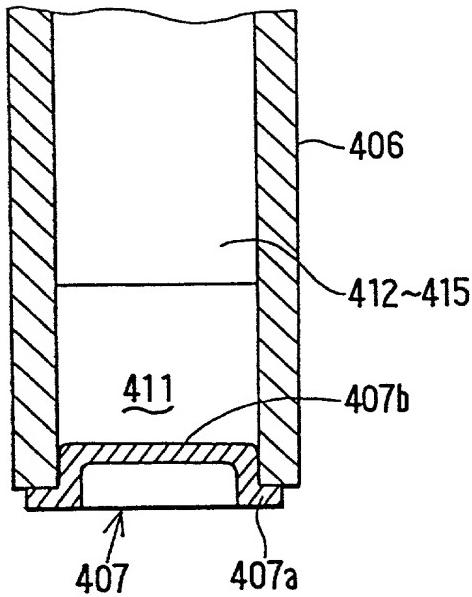
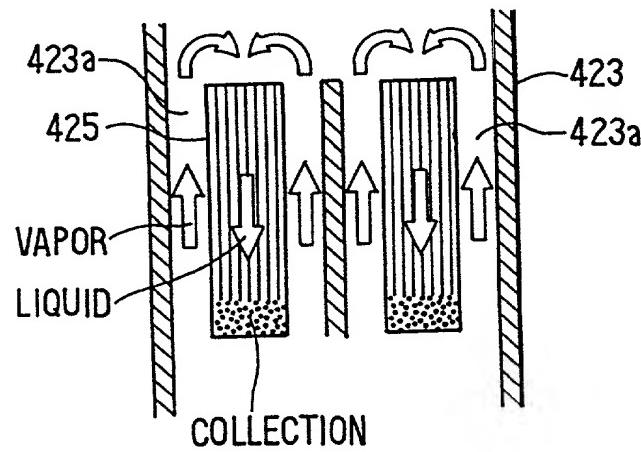


FIG. 35



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 36A

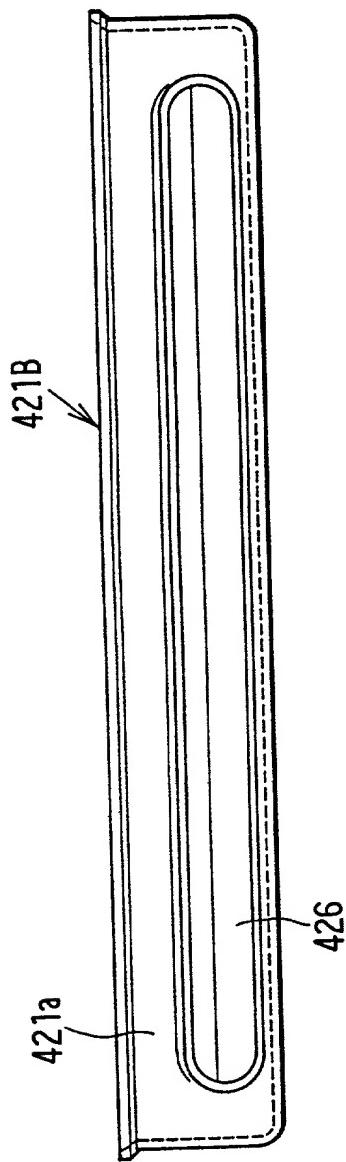


FIG. 36B

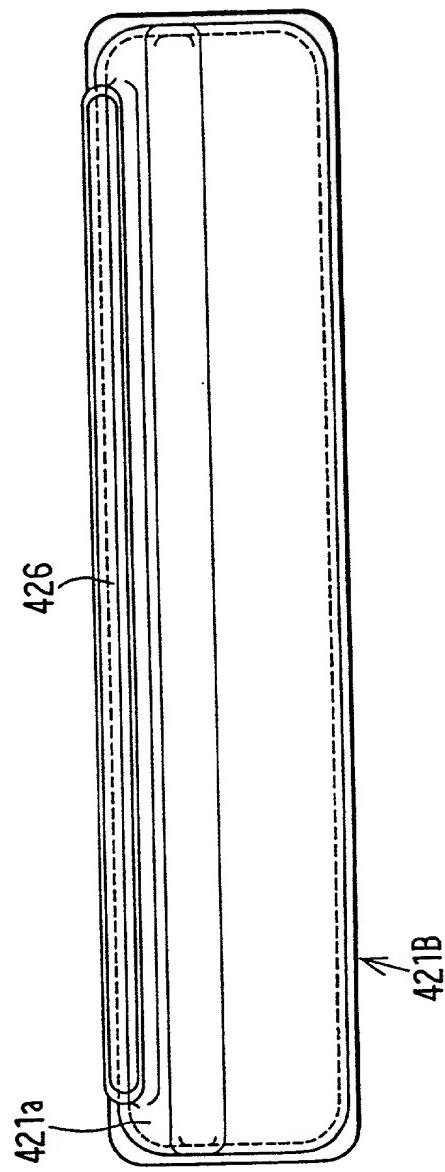


FIG. 36C

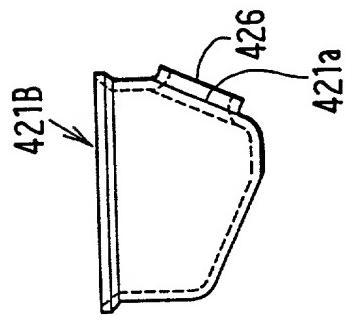


FIG. 37A

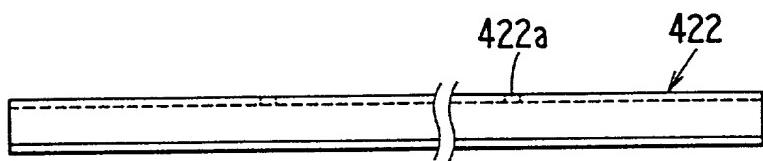


FIG. 37B

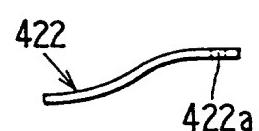
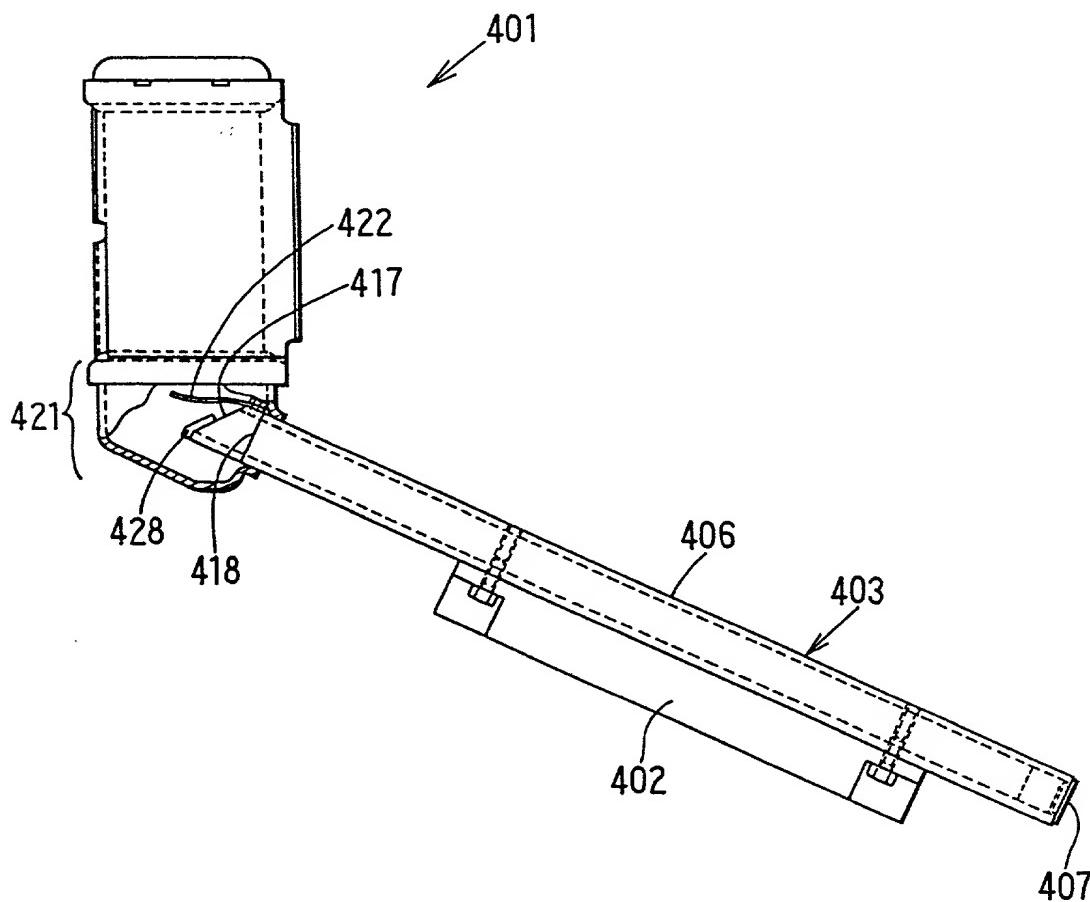


FIG. 38



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 39

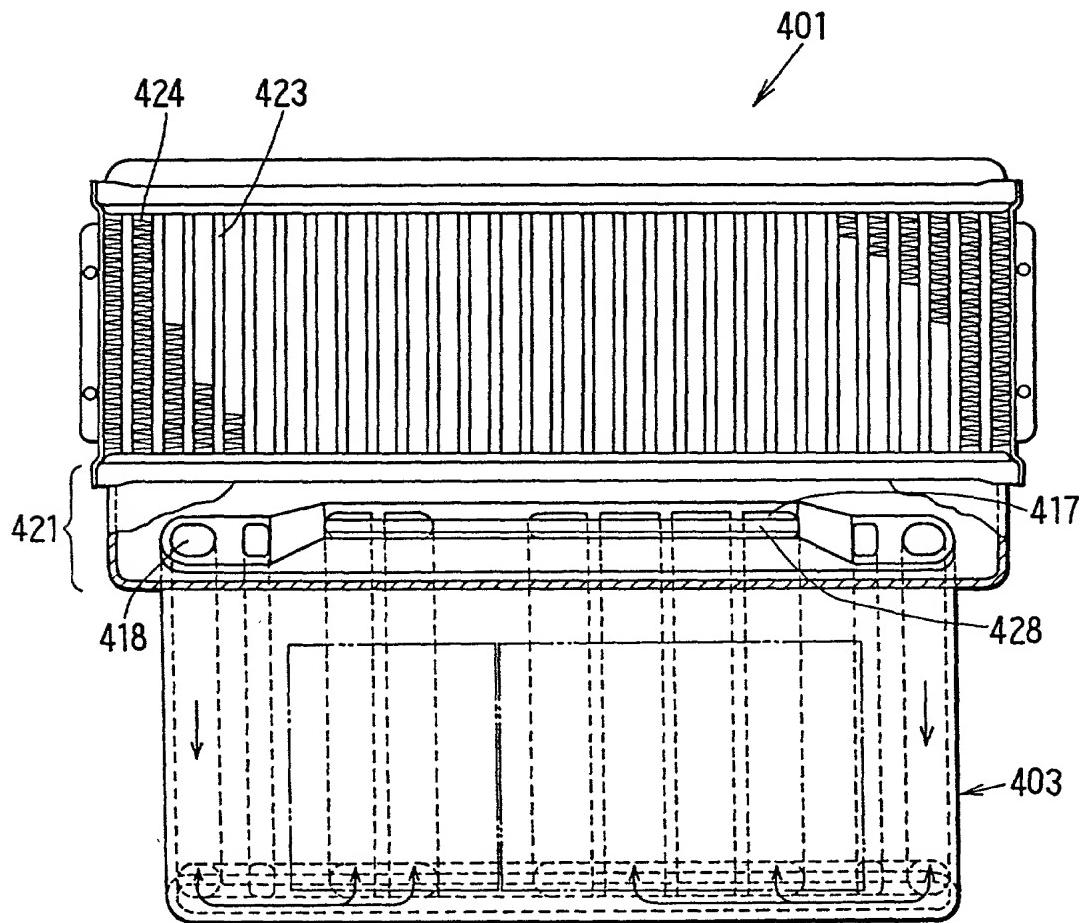


FIG. 40

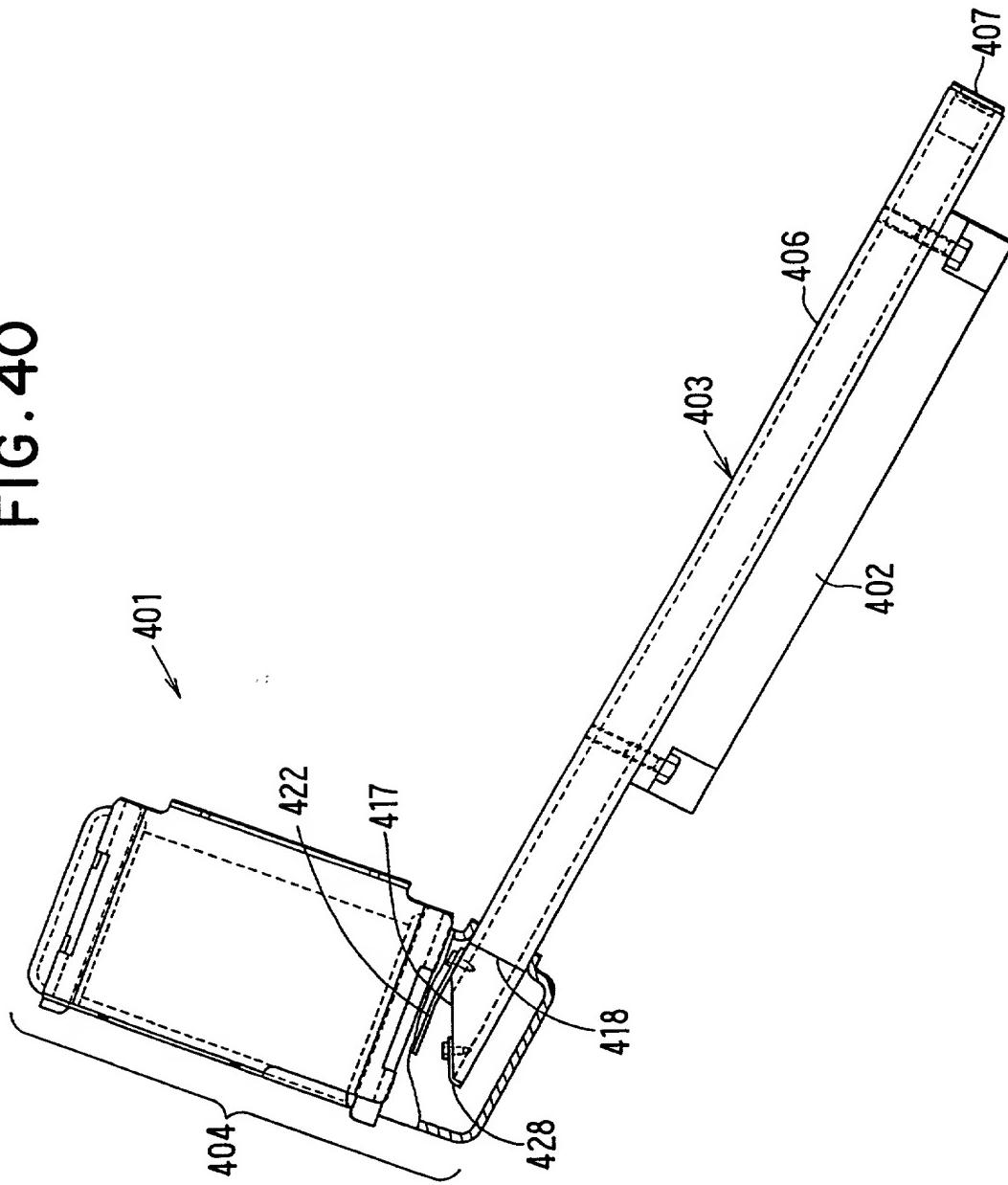
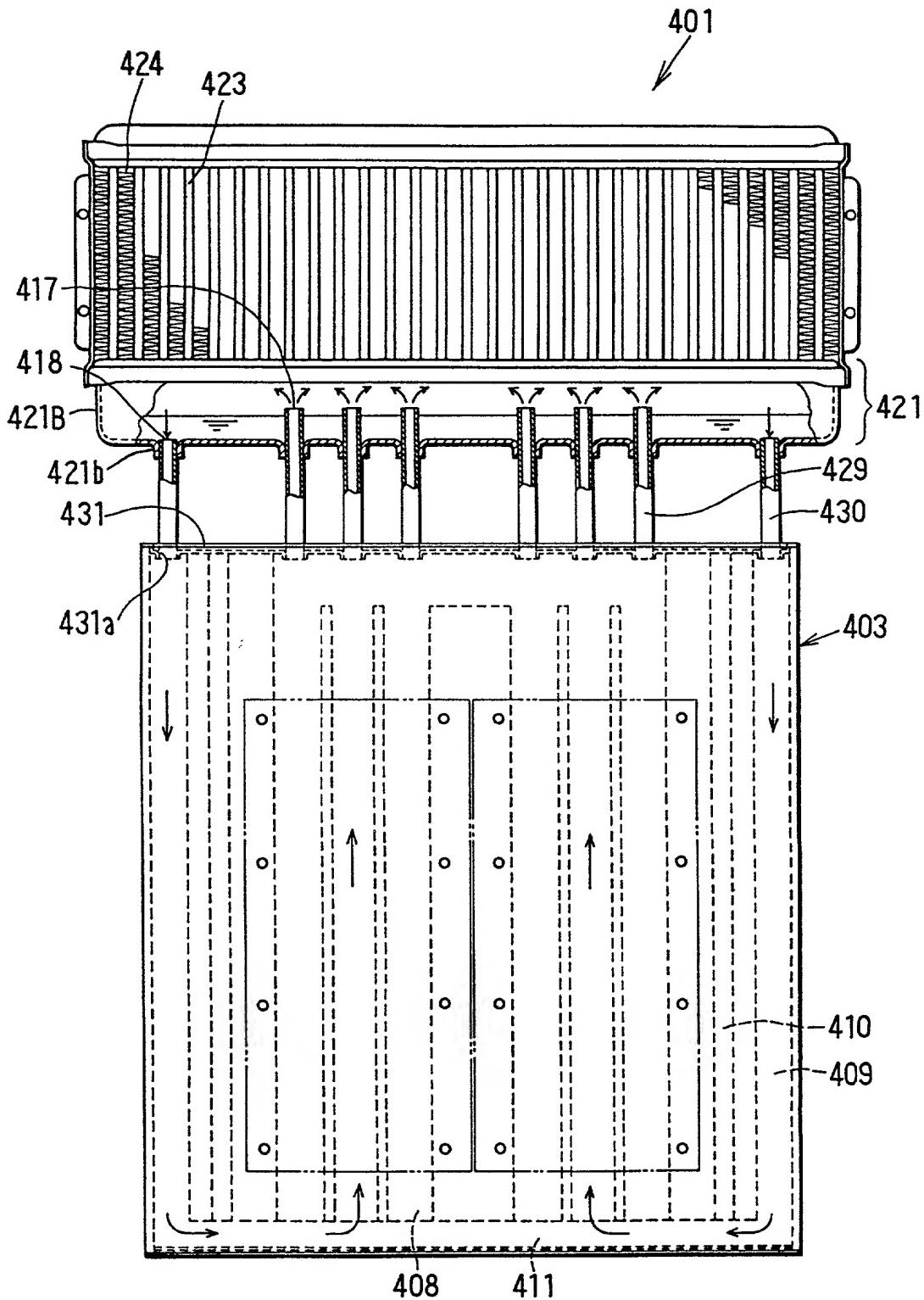


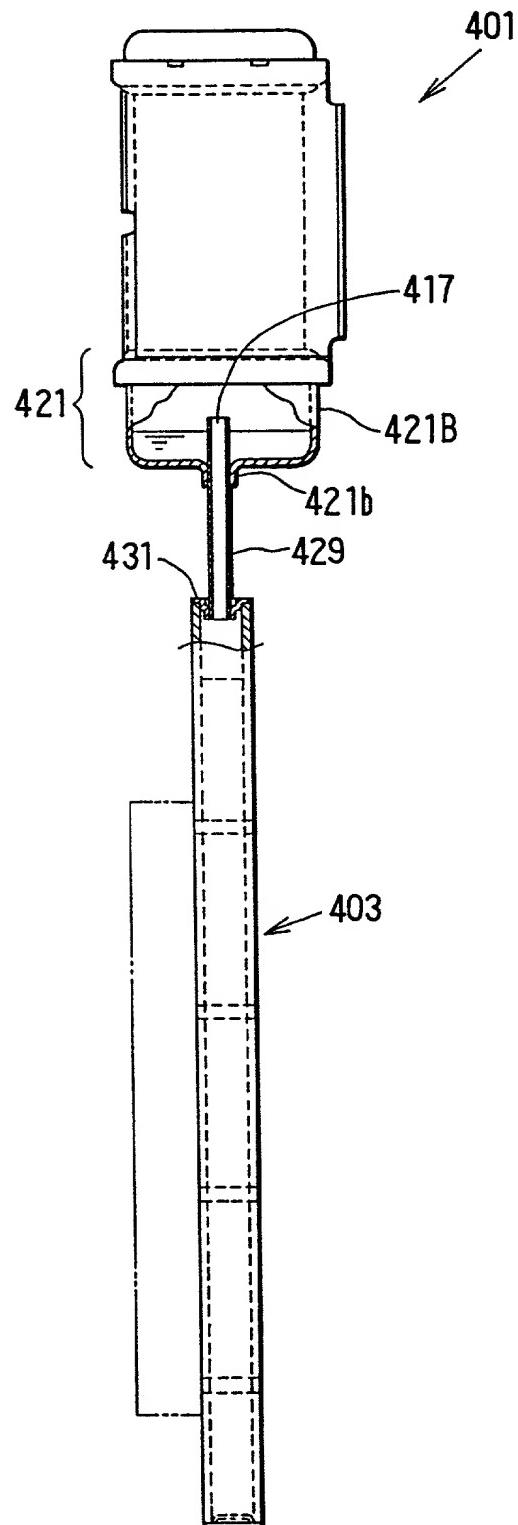
FIG. 41



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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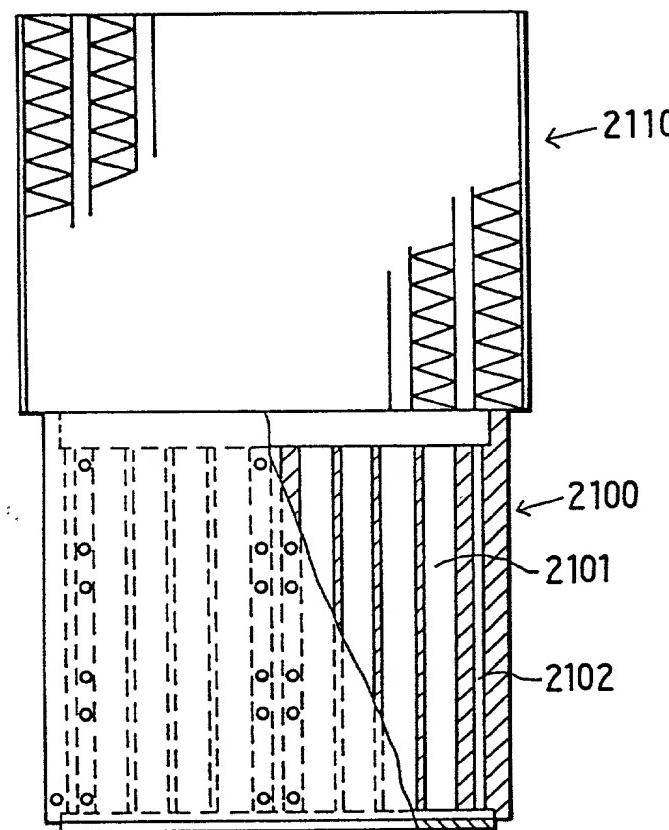
FIG. 42



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 43 PRIOR ART



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 40410229DVA
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FIG. 44

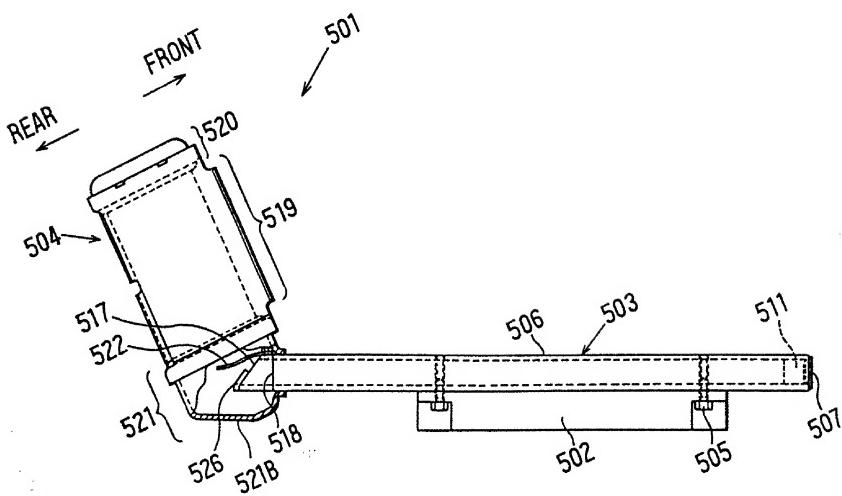
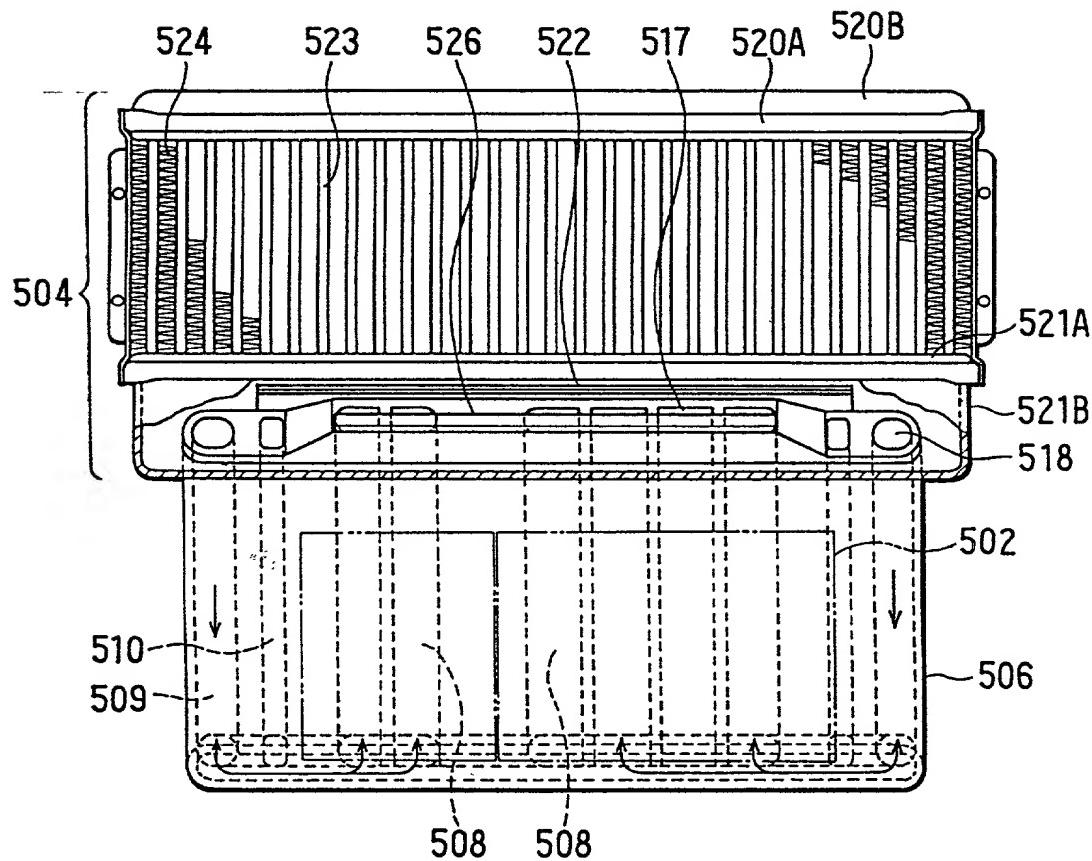


FIG. 45



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 46A

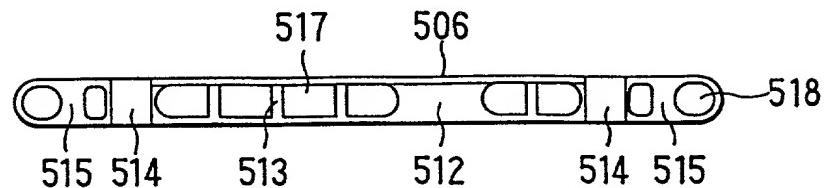


FIG. 46C

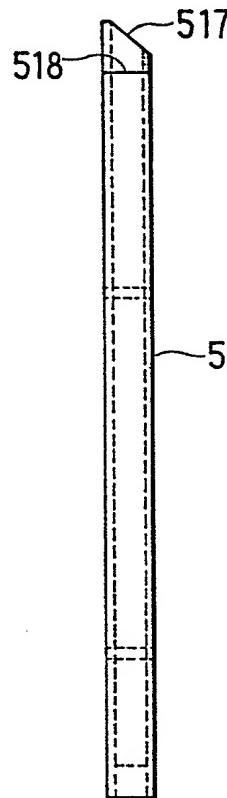


FIG. 46B

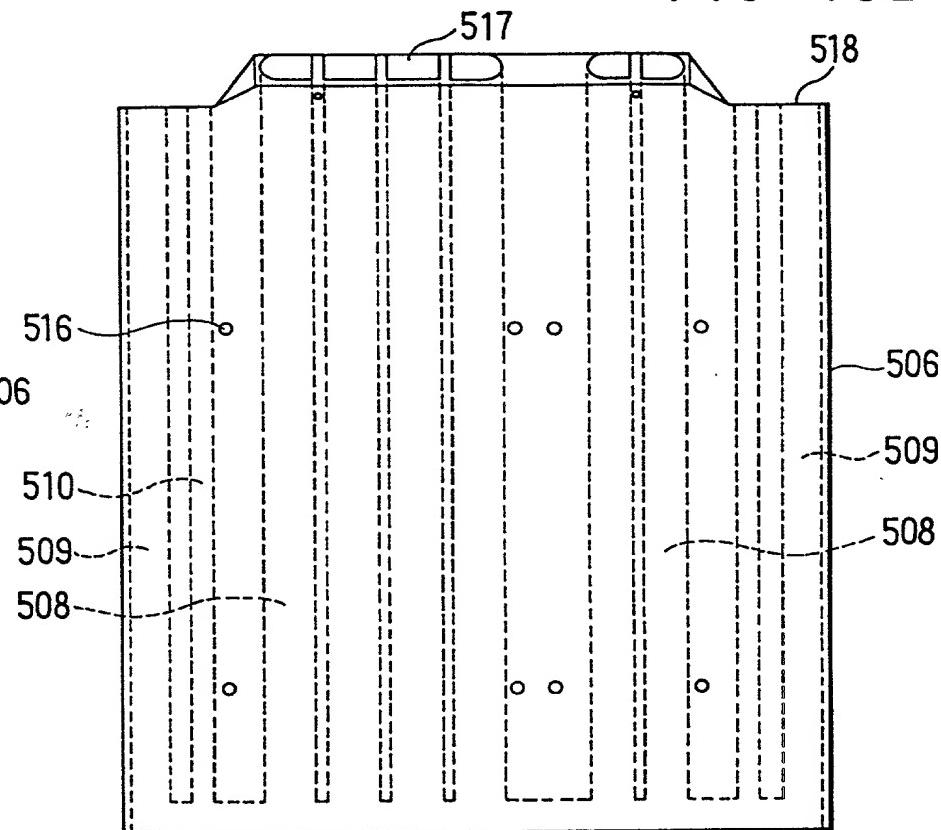


FIG. 47A

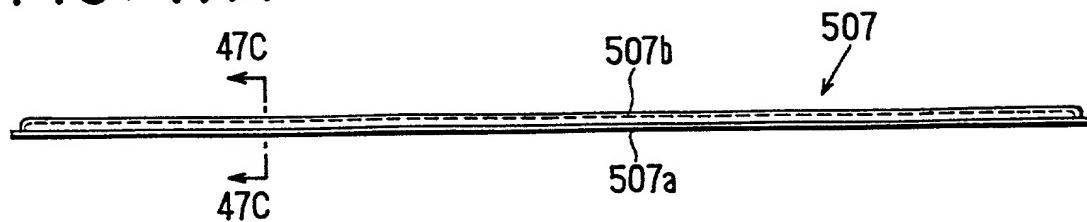


FIG. 47B

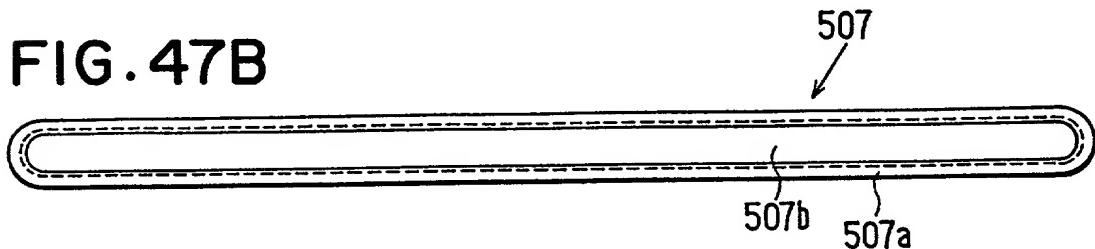


FIG. 47C

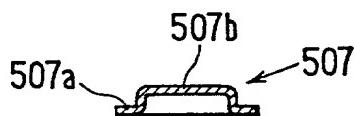


FIG. 48

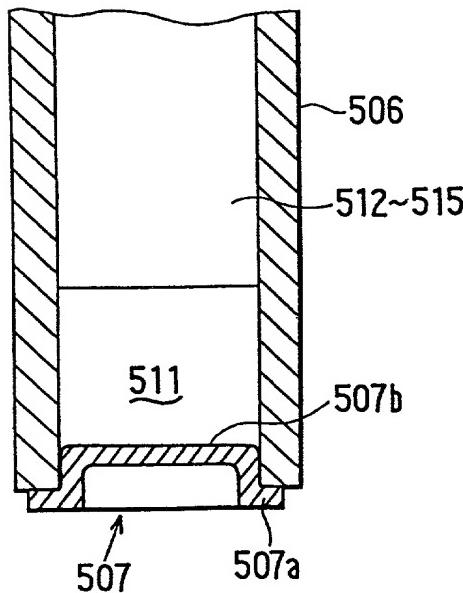


FIG. 50A

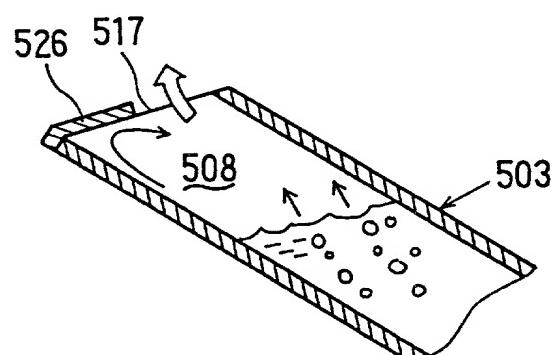
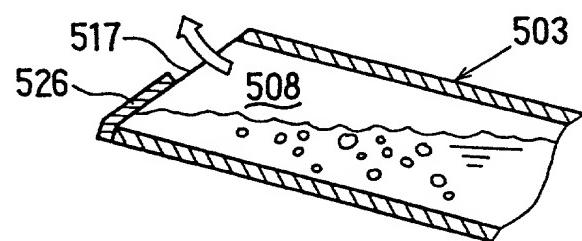


FIG. 50B



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 49A

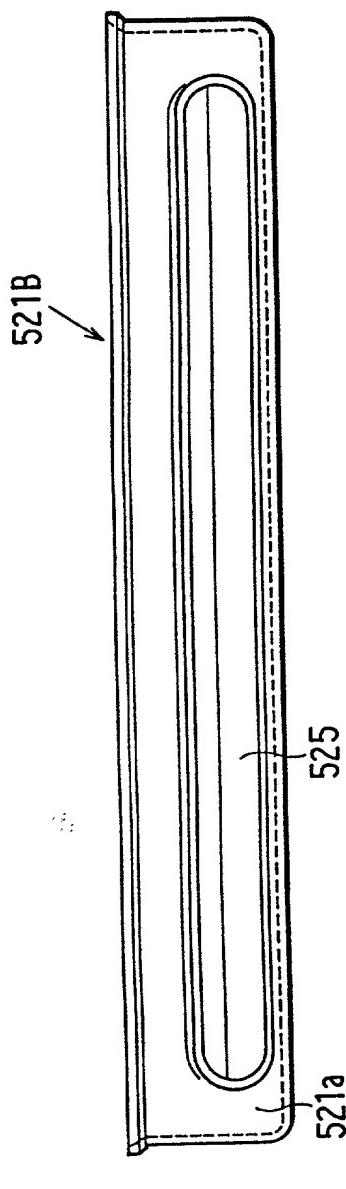


FIG. 49B

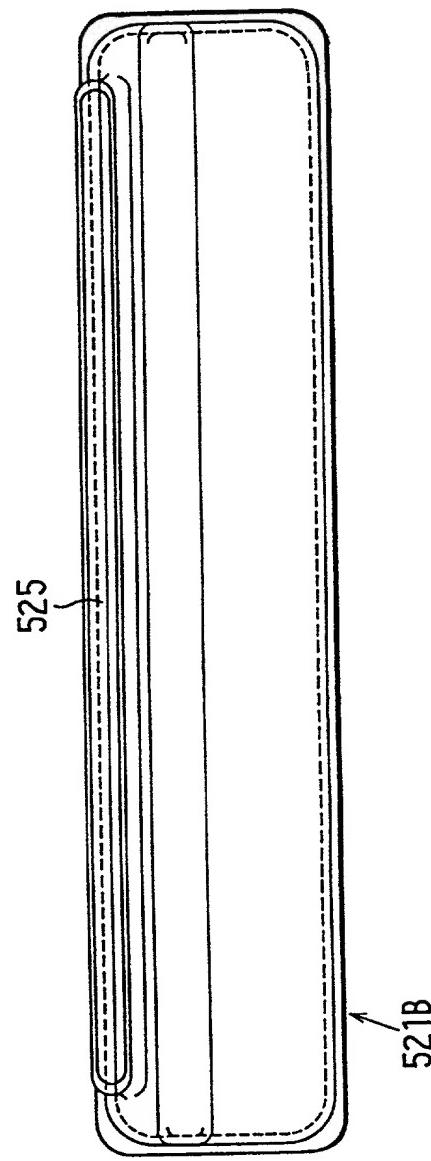
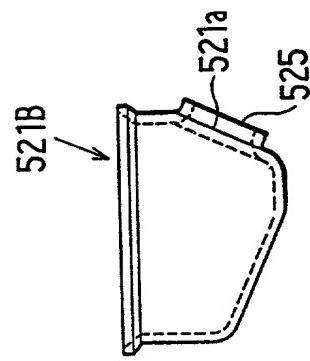


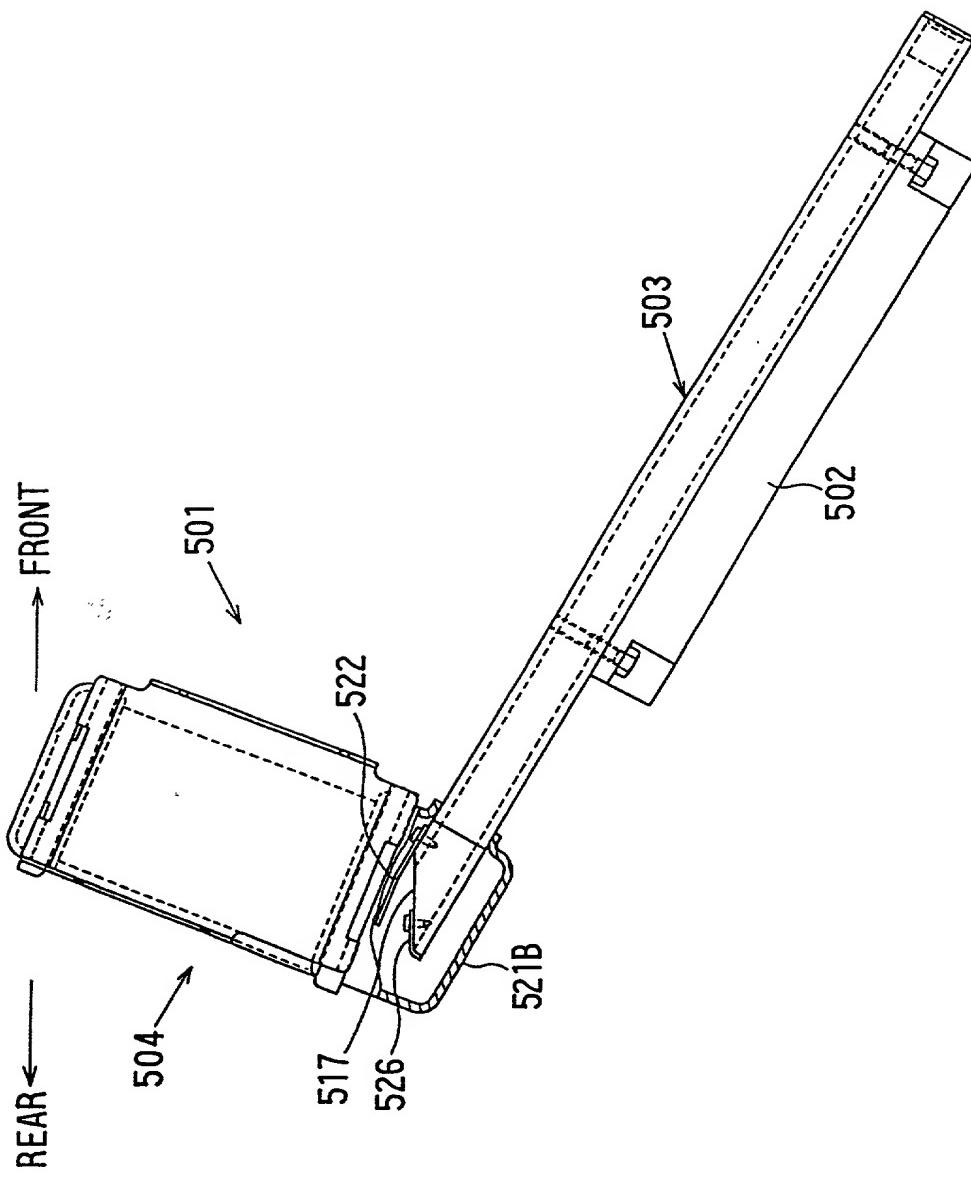
FIG. 49C



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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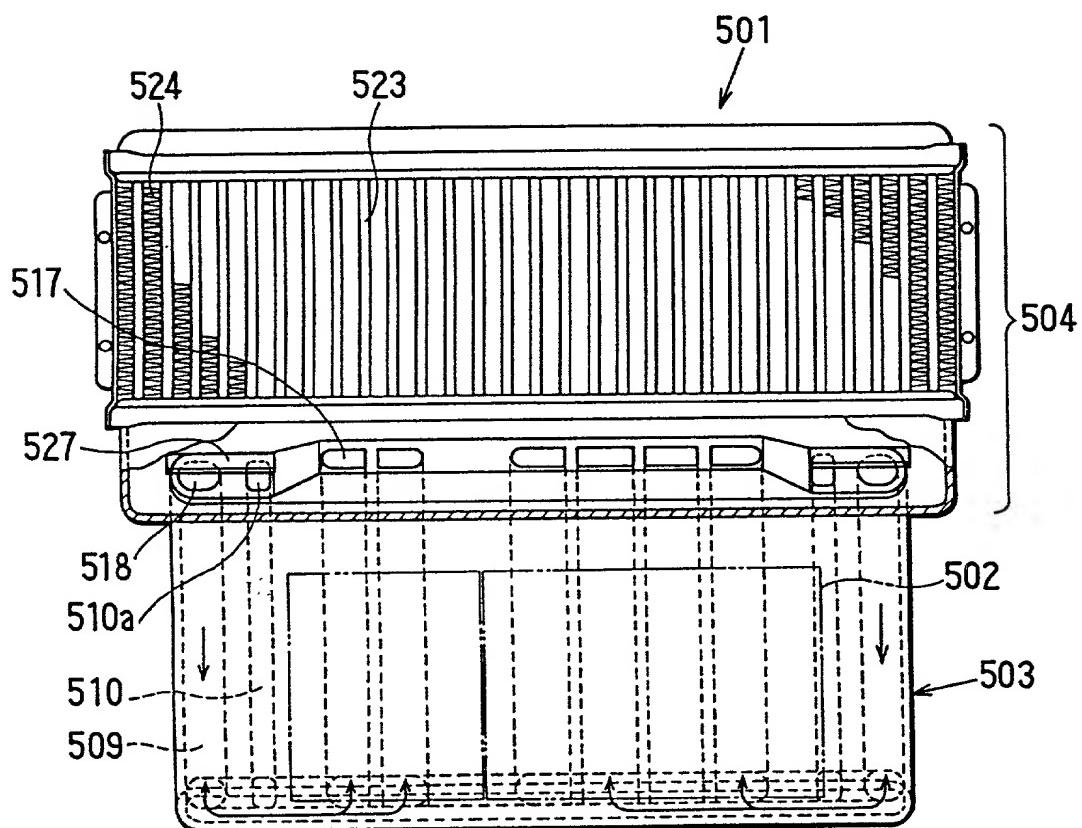
FIG. 5I



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG.52



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG.53

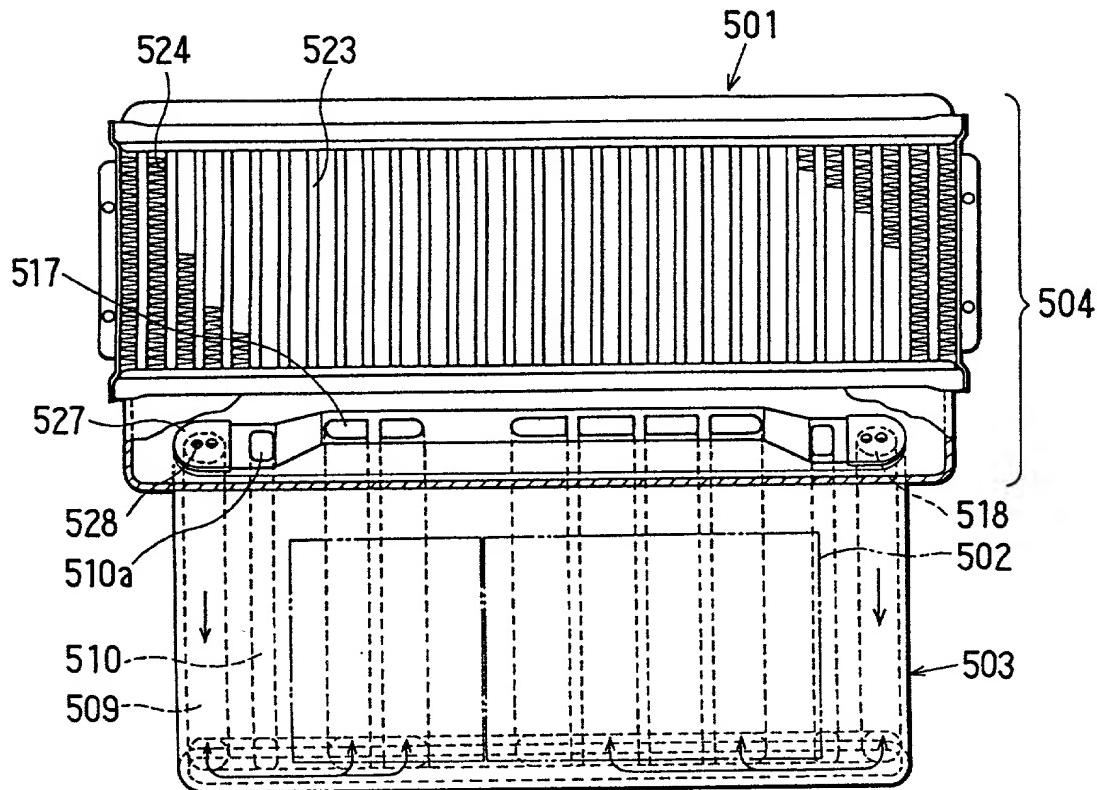
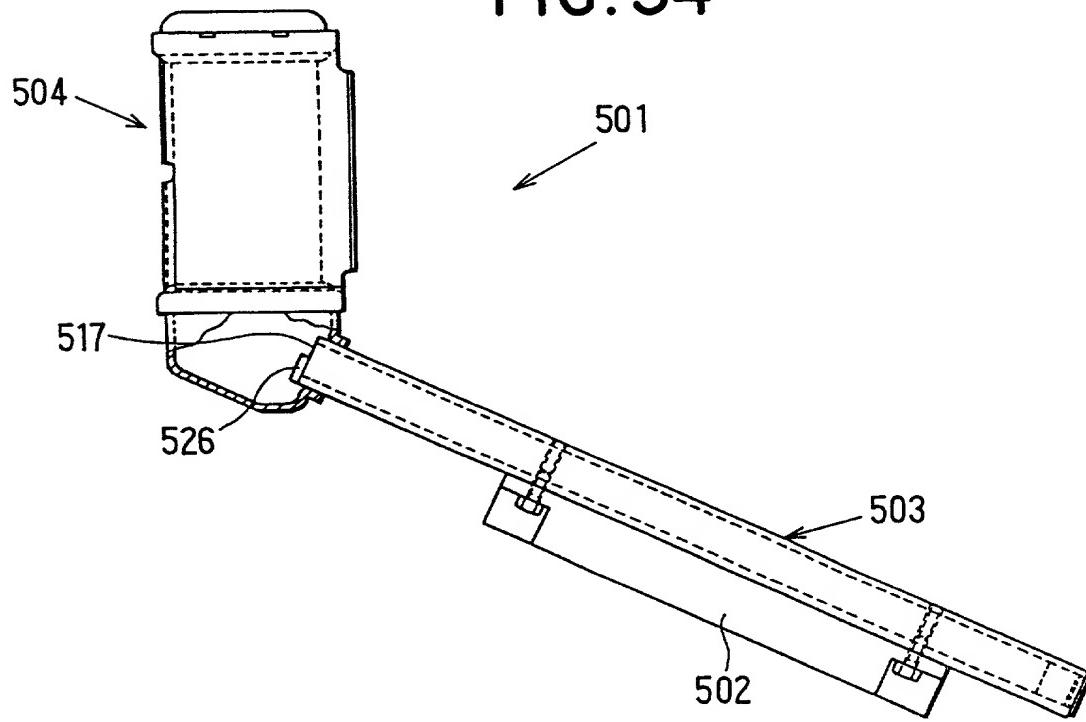


FIG.54



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 55

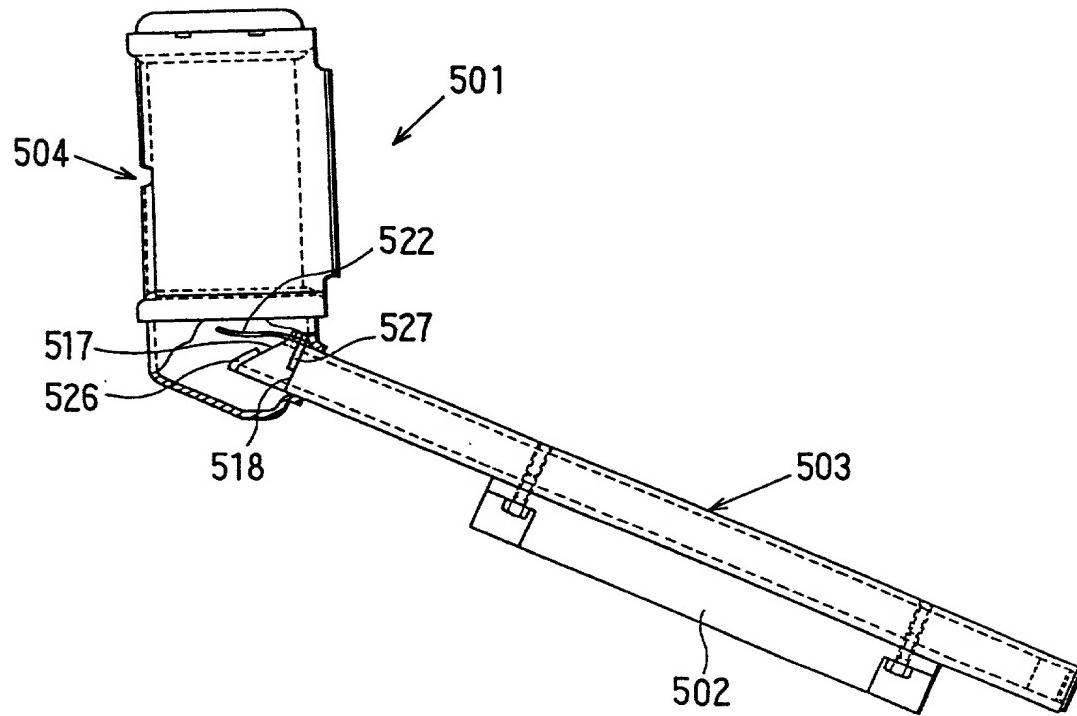
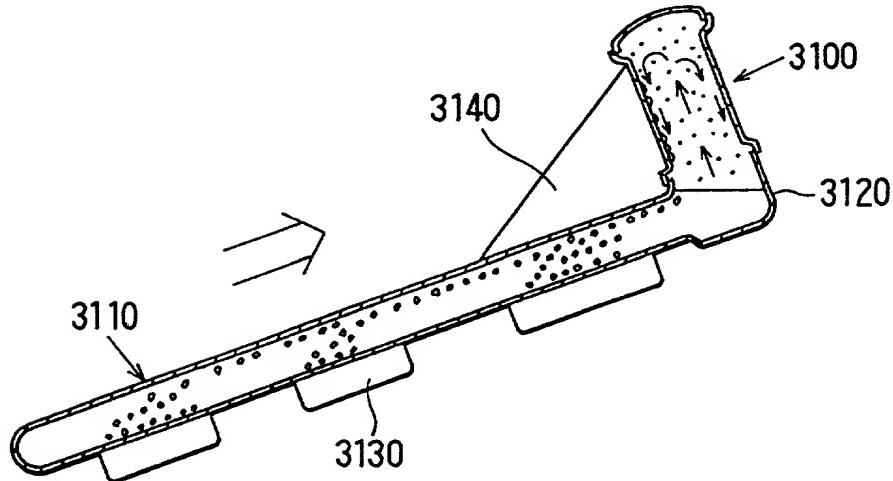


FIG. 56 PRIOR ART



Title: Cooling Apparatus Boiling and Condensing Refrigerant

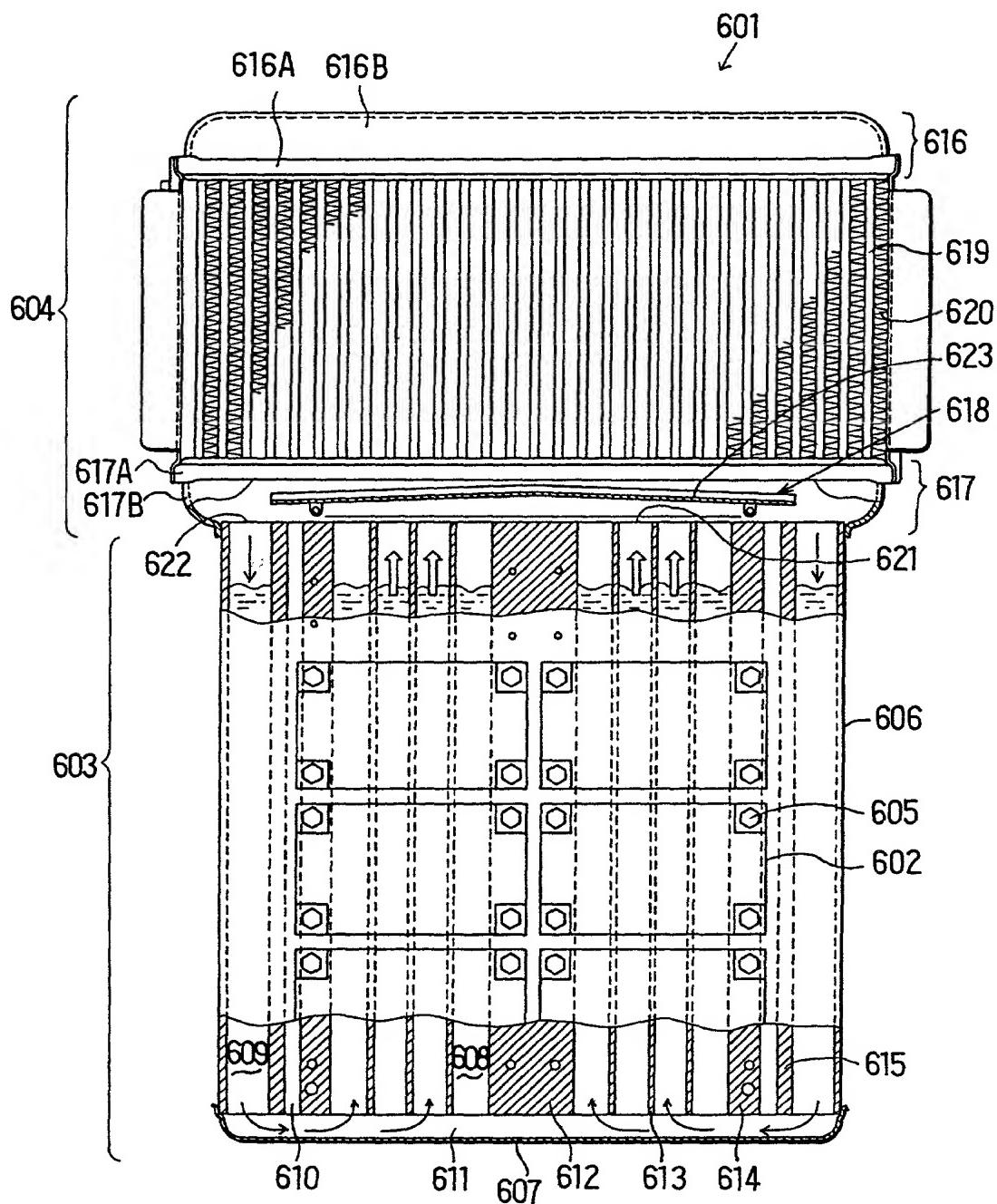
Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 57



Title: Cooling Apparatus Boiling and Condensing Refrigerant

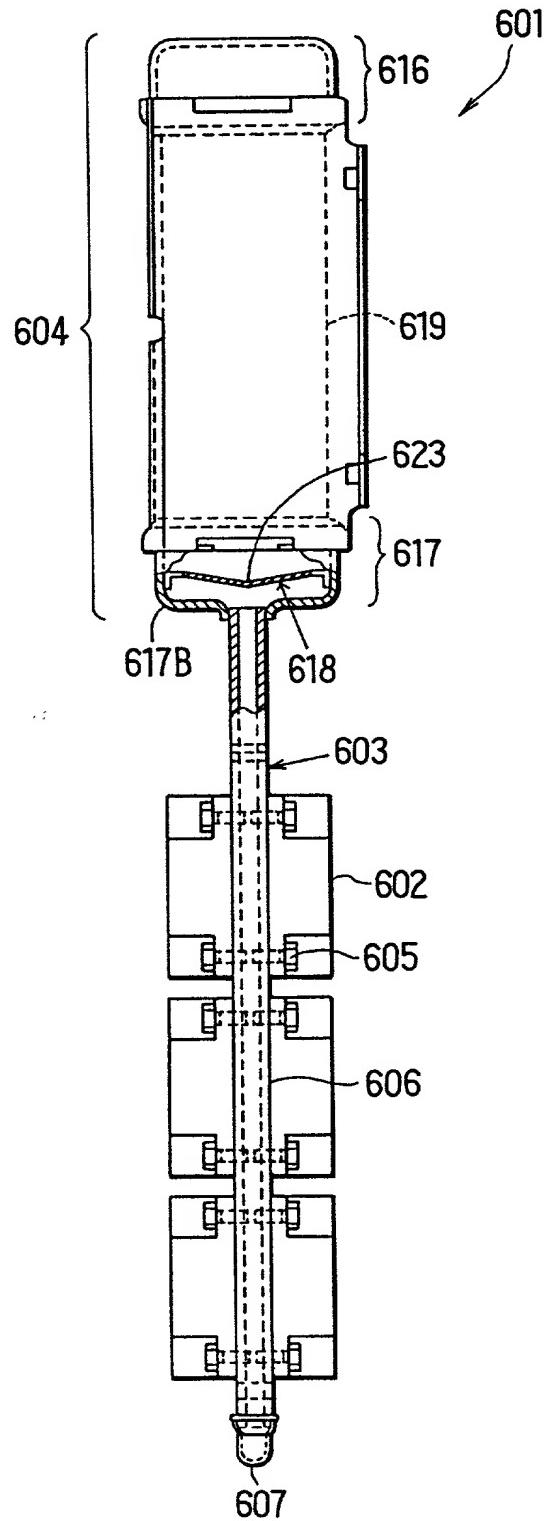
Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 58



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 59A

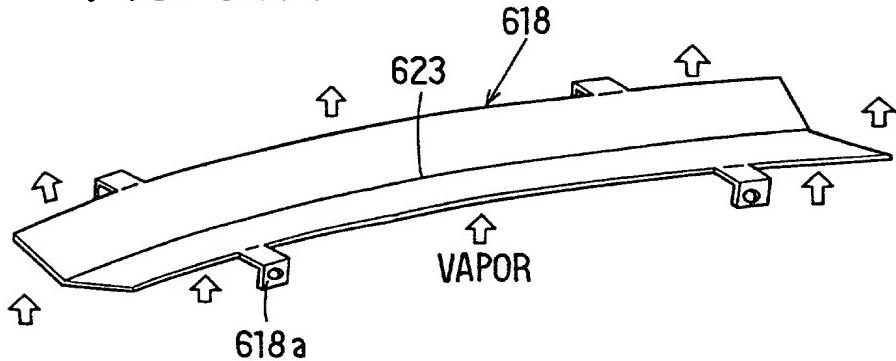


FIG. 59B

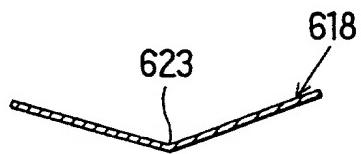


FIG. 60A

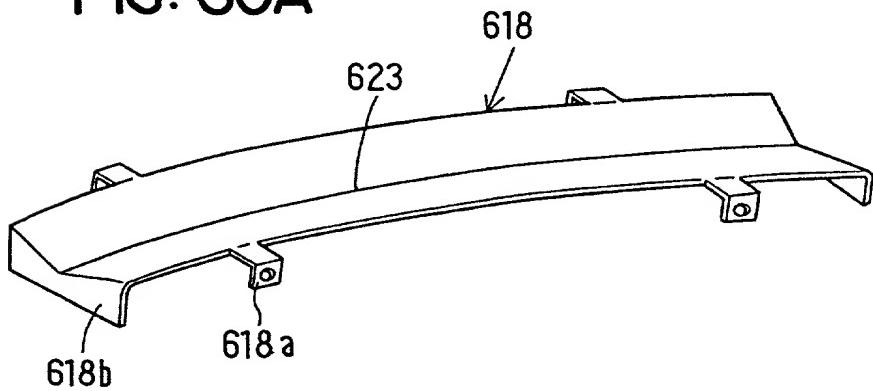


FIG. 60B

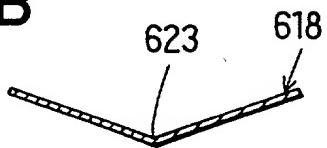


FIG. 6IA

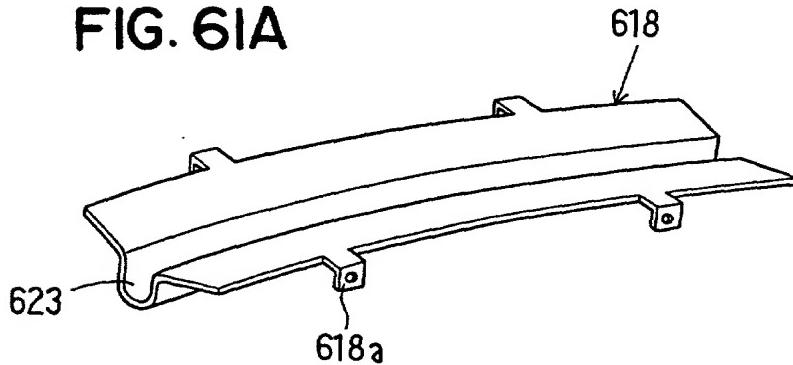


FIG. 6IB

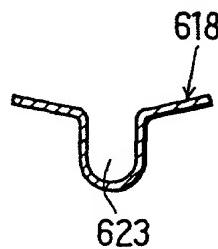


FIG. 62A

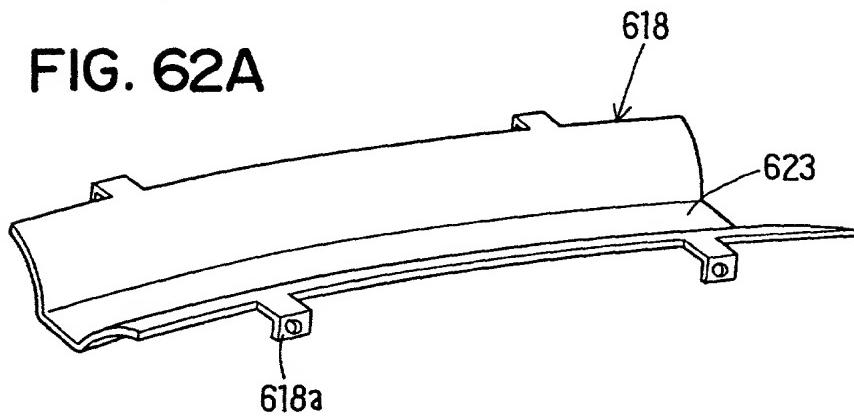
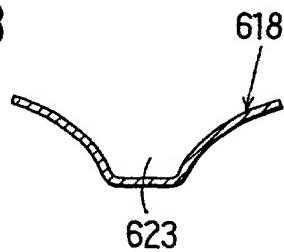


FIG. 62B



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 63A

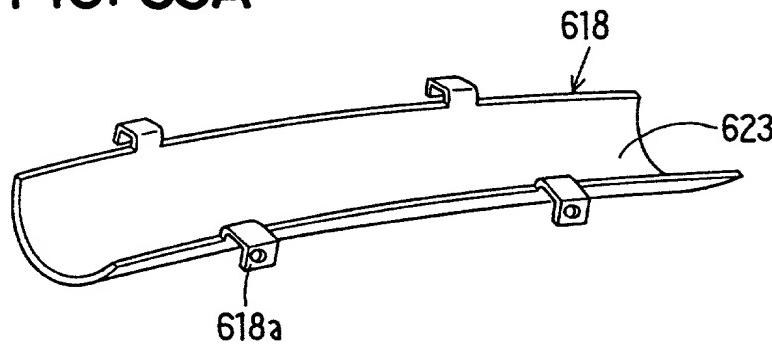


FIG. 63B



FIG. 64A

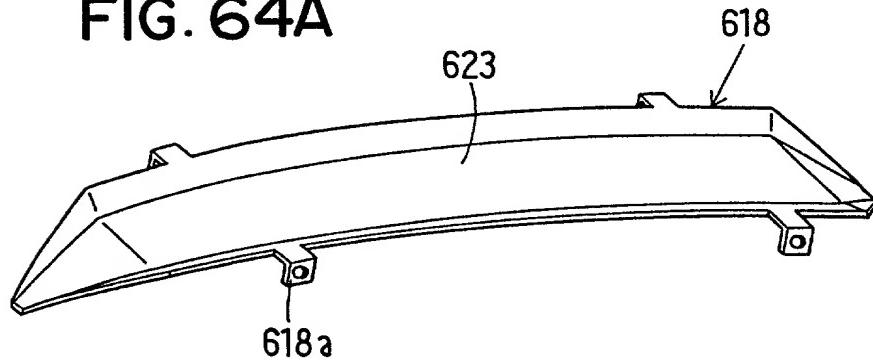
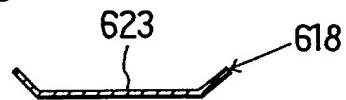


FIG. 64B



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 65A

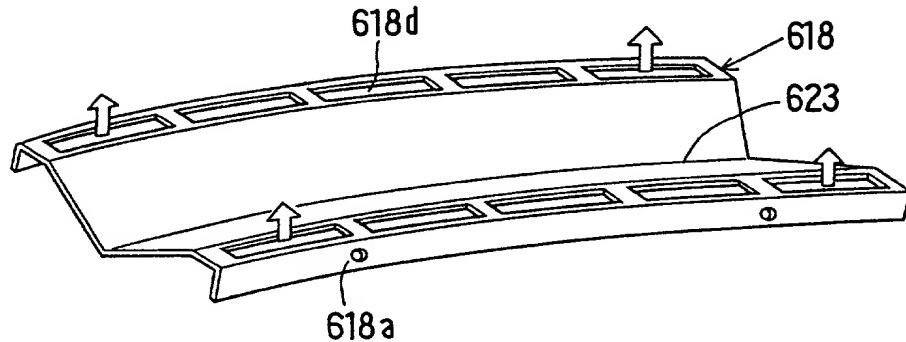


FIG. 65B

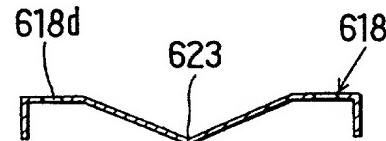


FIG. 66

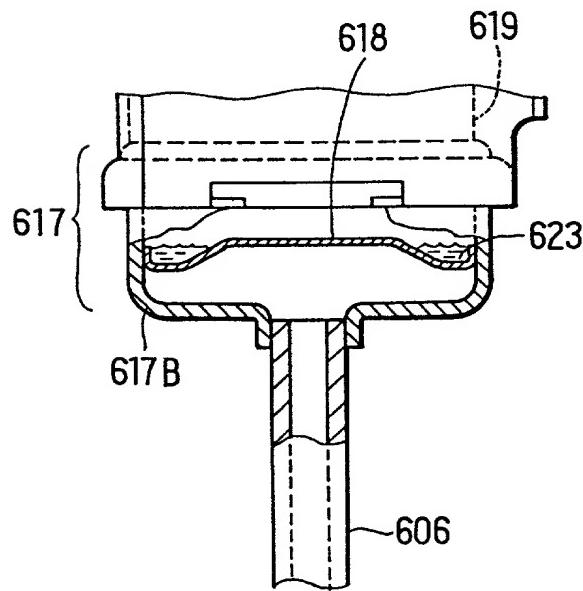


FIG. 67A

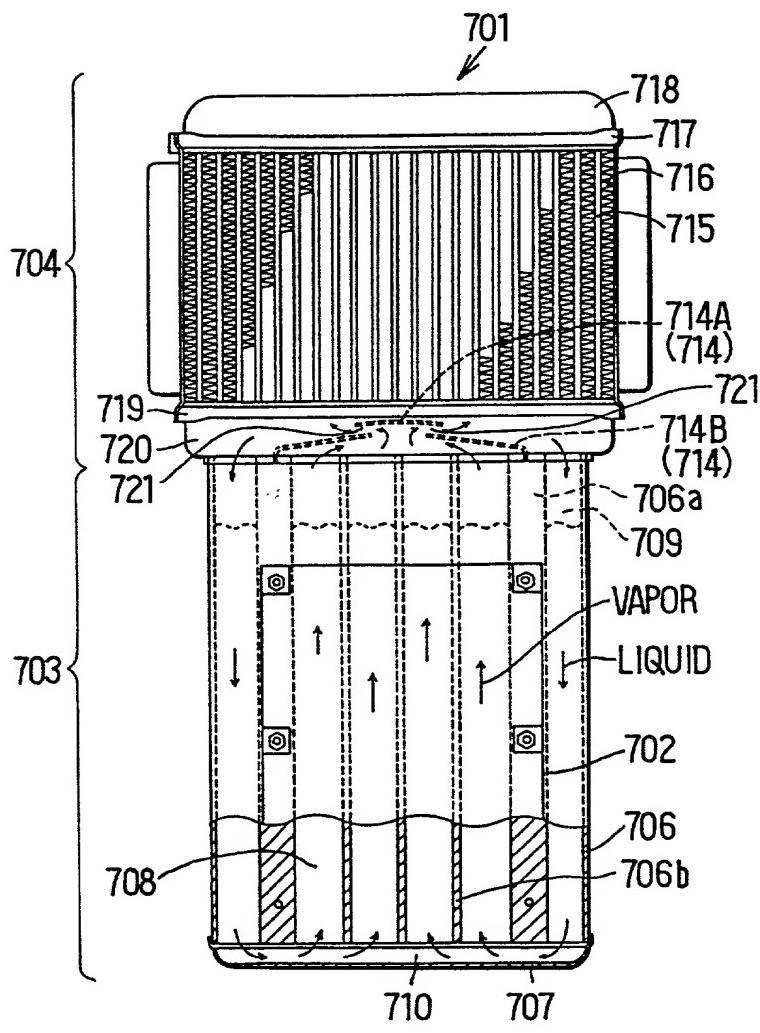
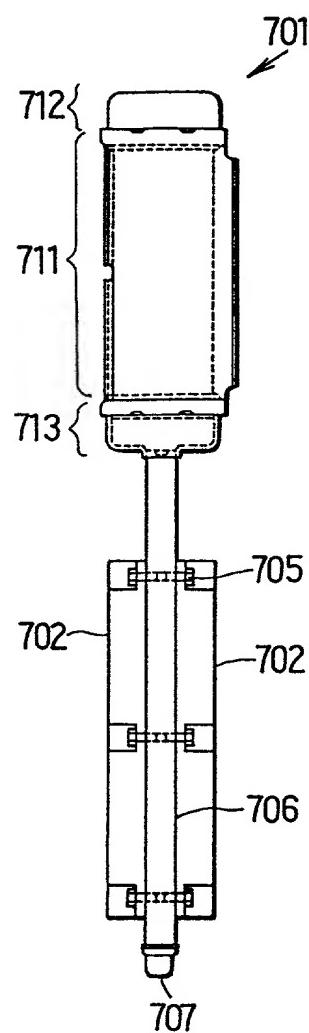


FIG. 67B



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 68A

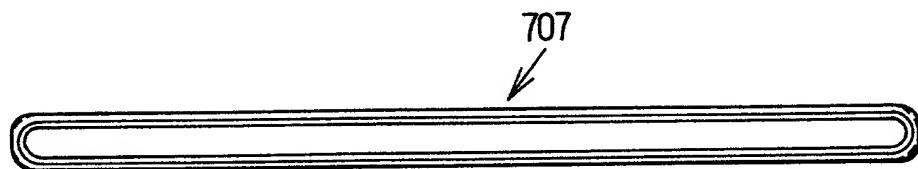


FIG. 68B

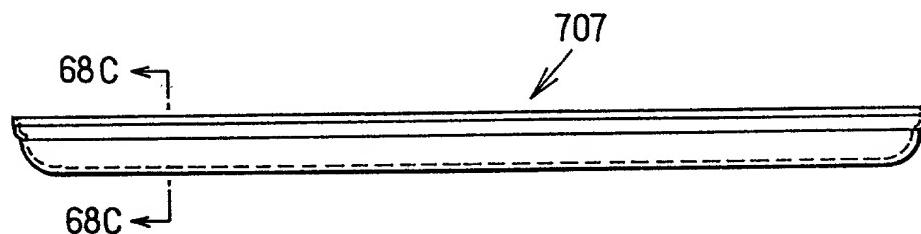
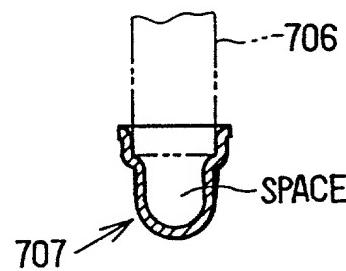


FIG. 68C



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 69A

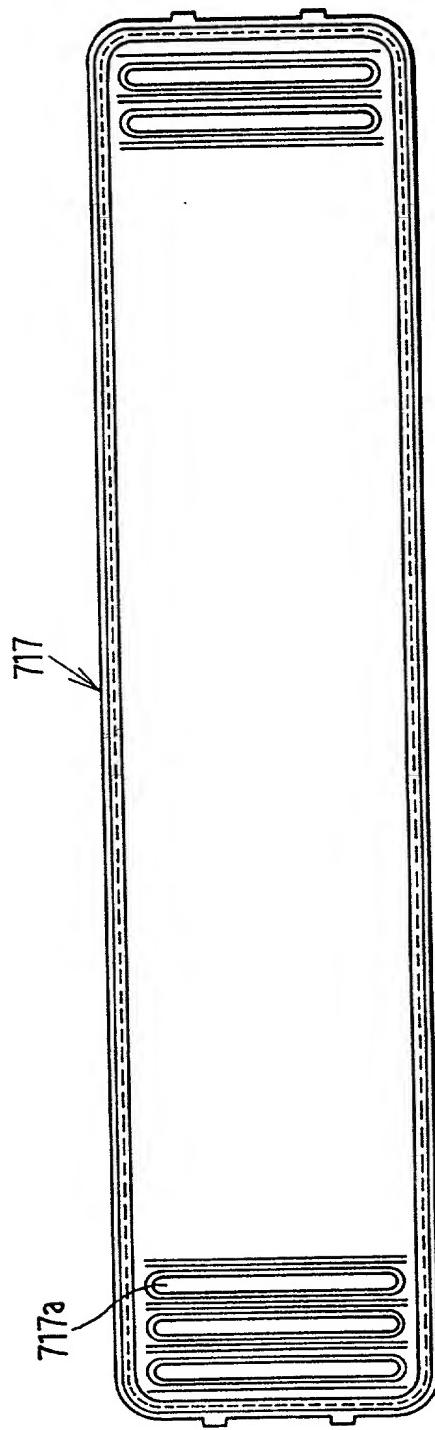
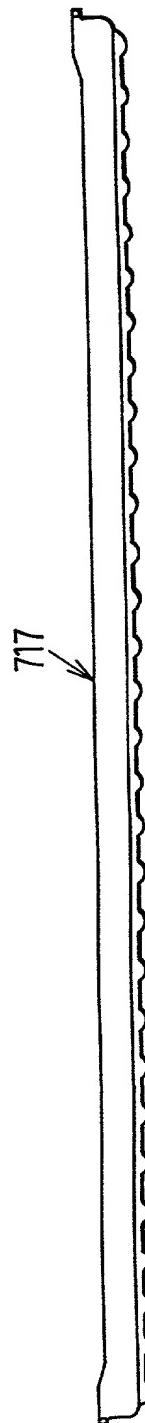


FIG. 69B



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 70A

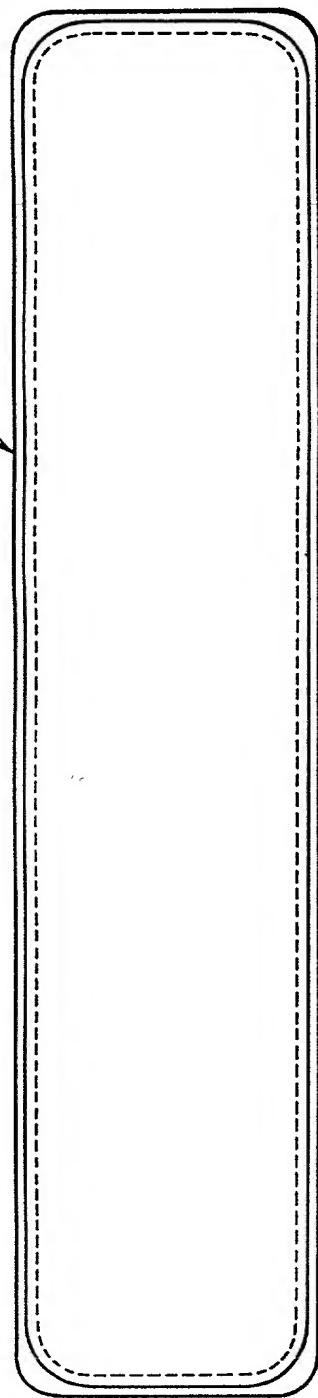


FIG. 70B

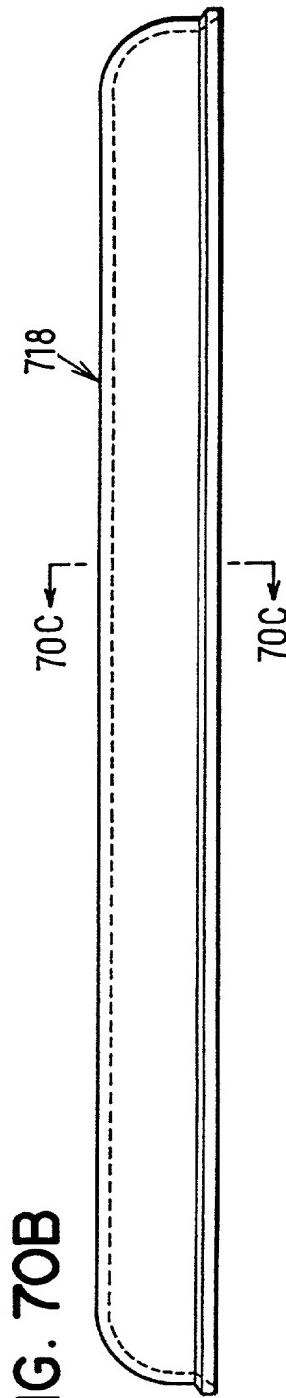
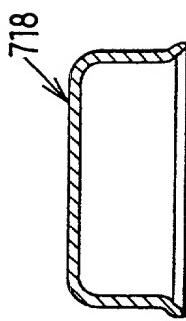


FIG. 70C



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 7IA

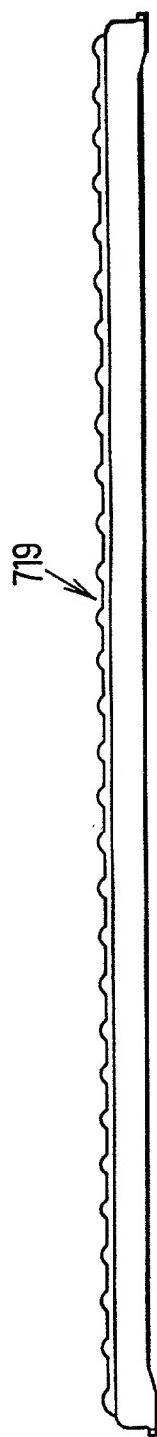
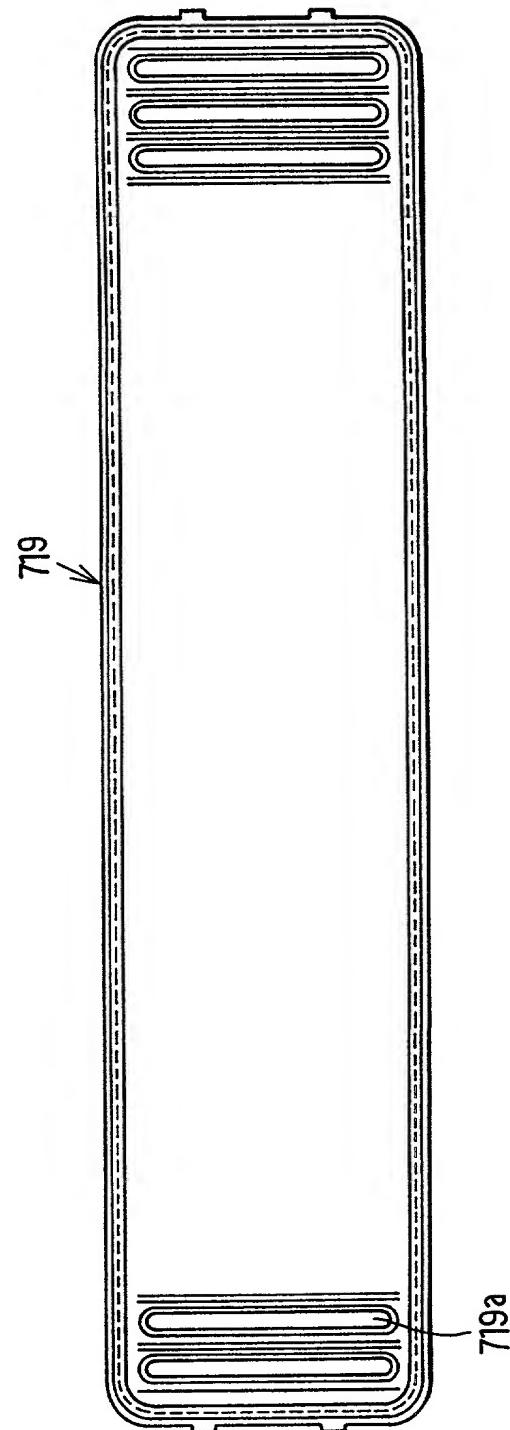


FIG. 7IB



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 72A

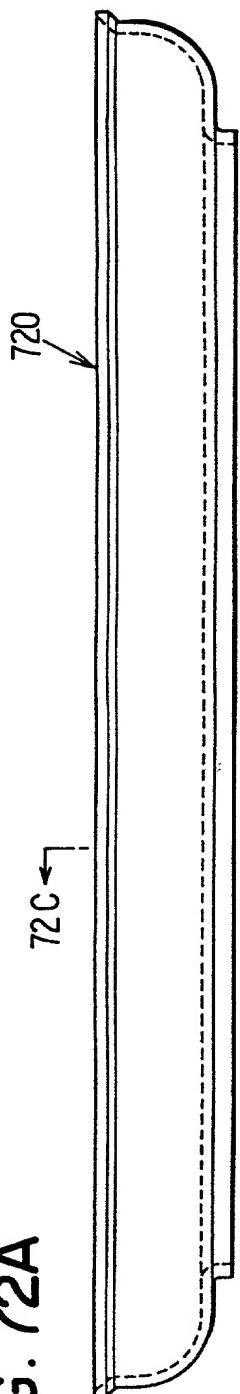


FIG. 72B

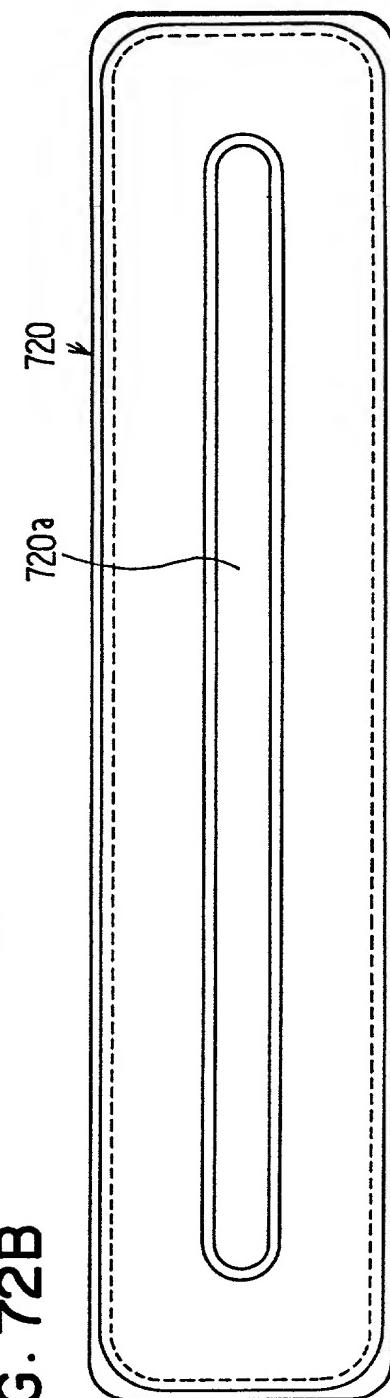
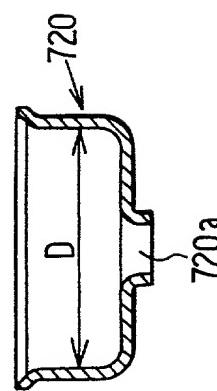


FIG. 72C



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 73A

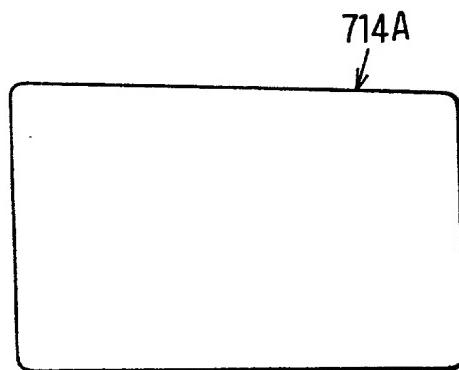


FIG. 73C

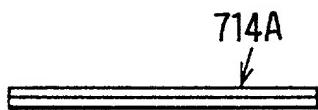


FIG. 73B



FIG. 74A

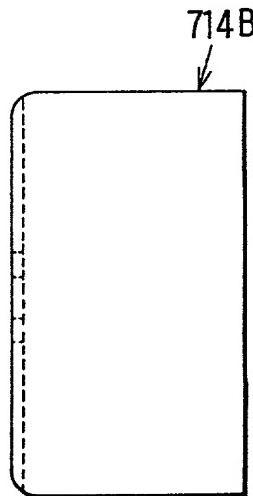


FIG. 74C

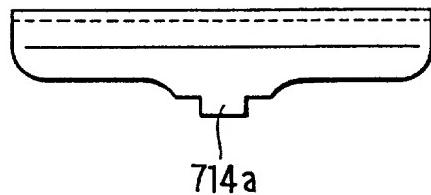


FIG. 74B

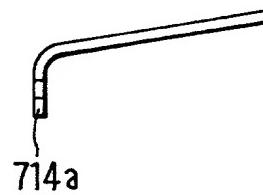
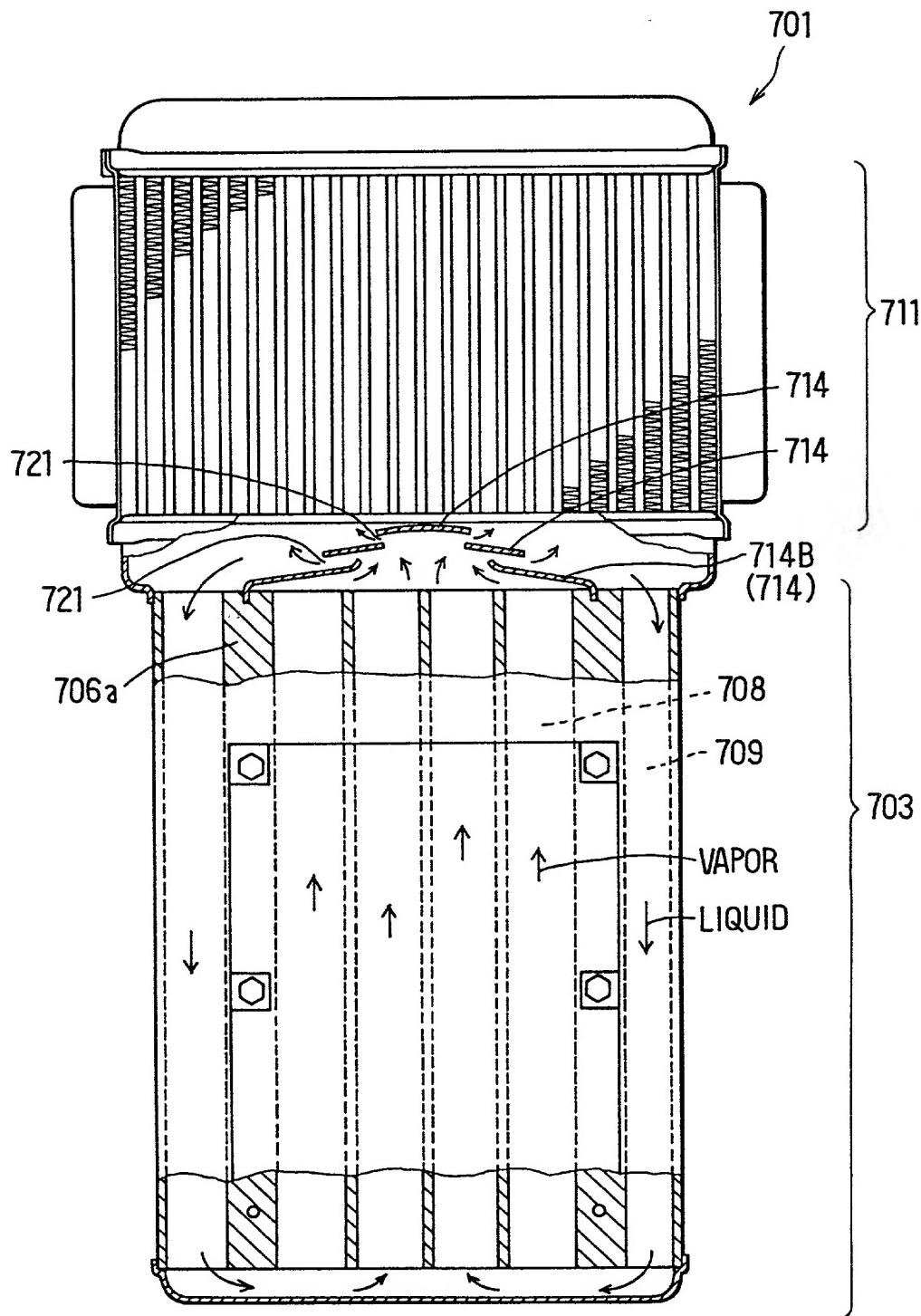


FIG. 75



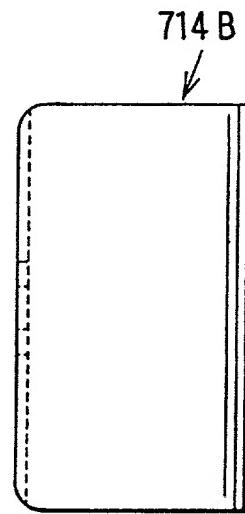


FIG. 76A

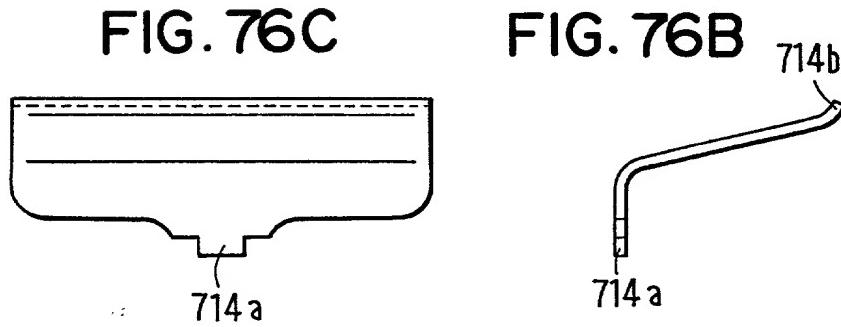


FIG. 76B

FIG. 81 PRIOR ART

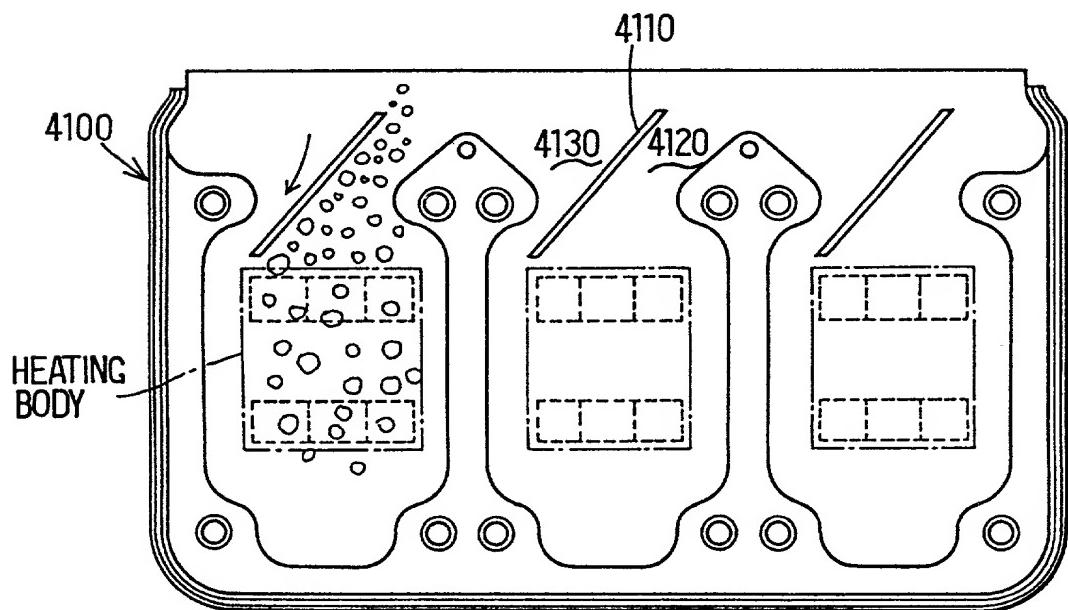


FIG. 77A

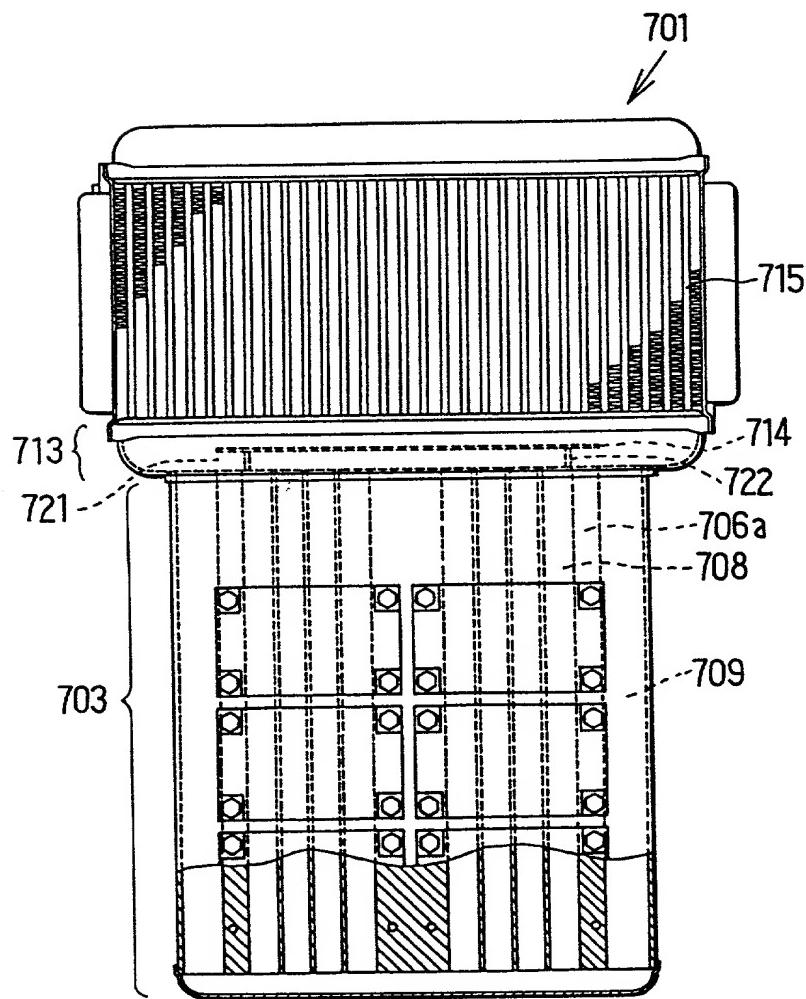
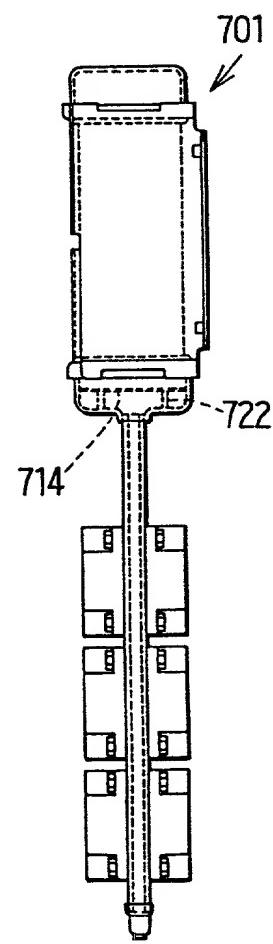


FIG. 77B



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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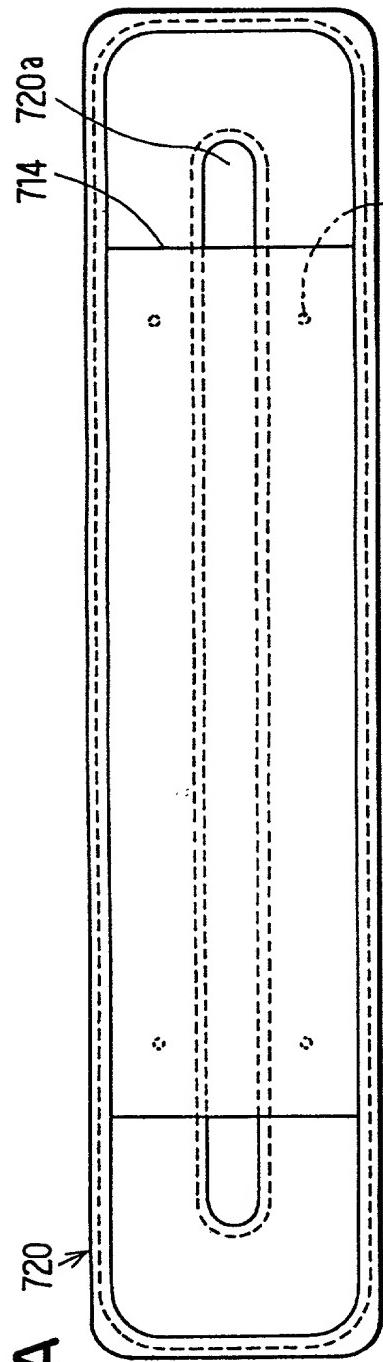


FIG. 78A

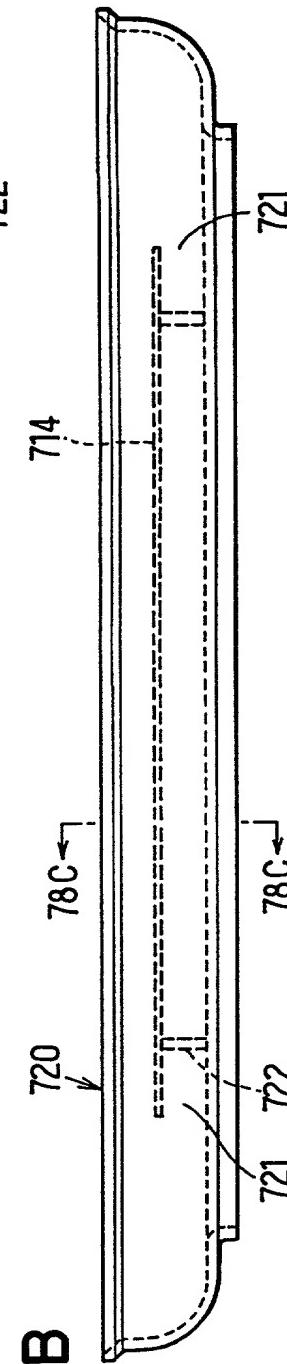


FIG. 78B

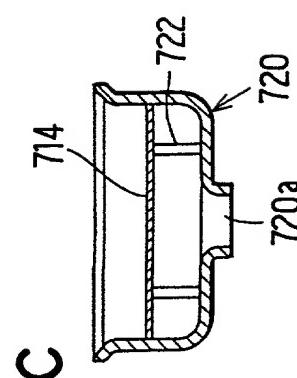


FIG. 78C

Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 79A

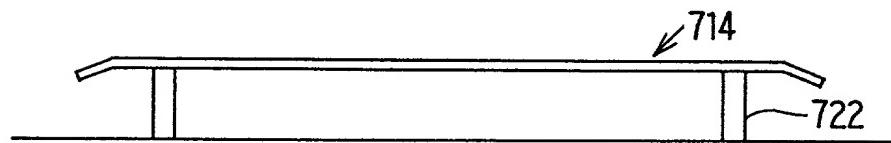


FIG. 79B

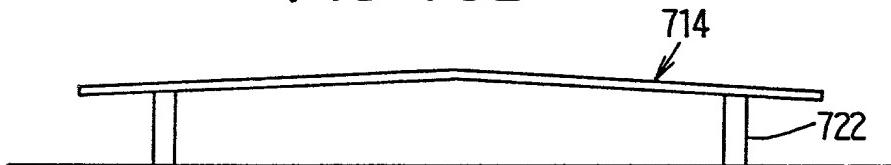


FIG. 79C

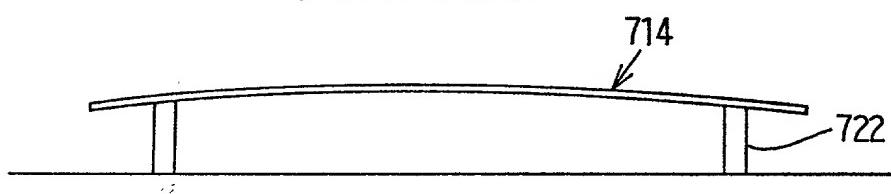


FIG. 80

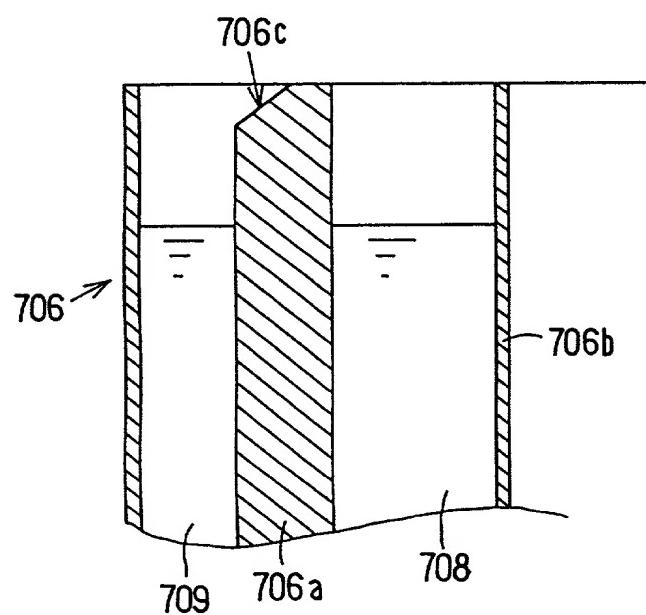


FIG. 82

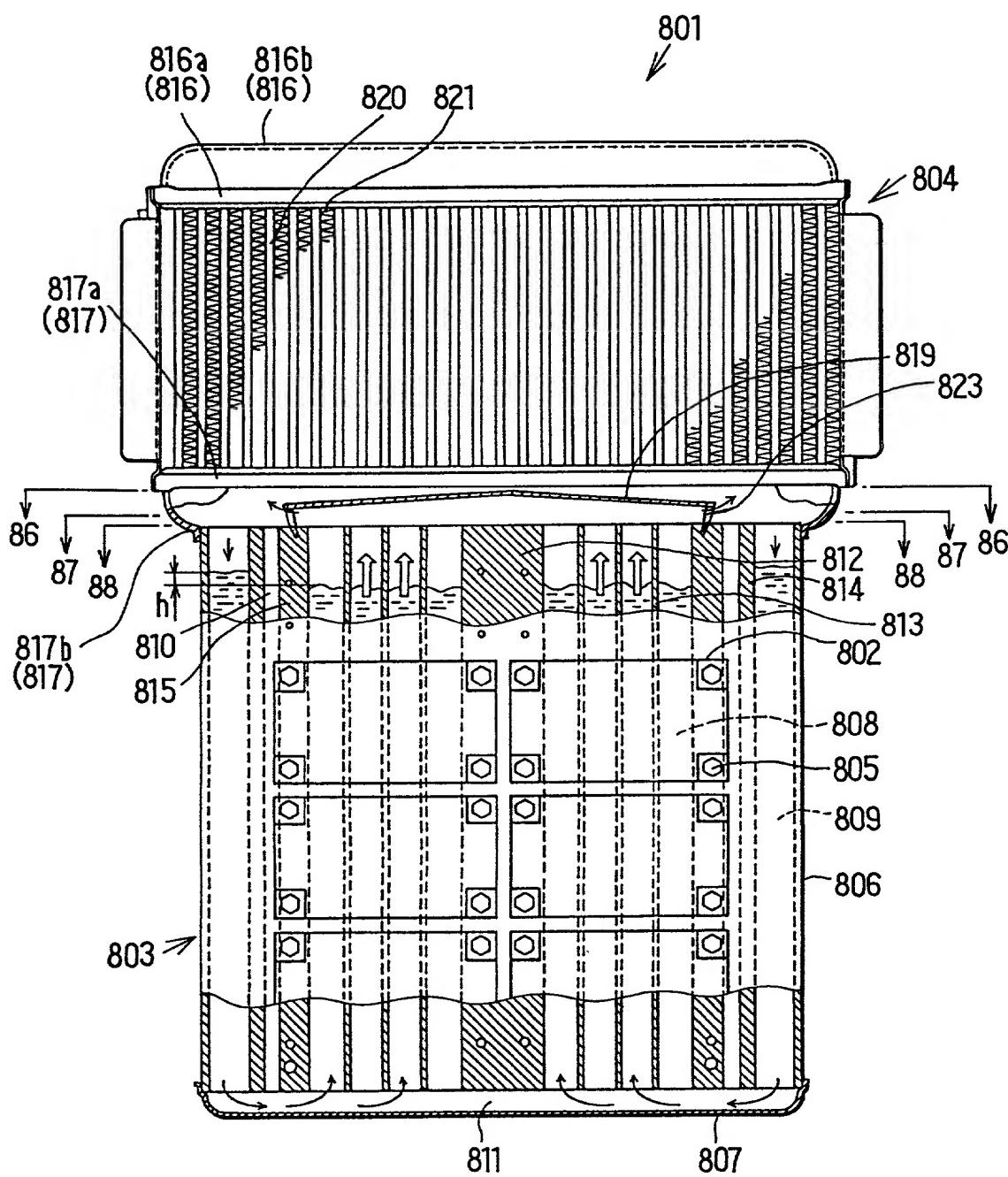


FIG. 83

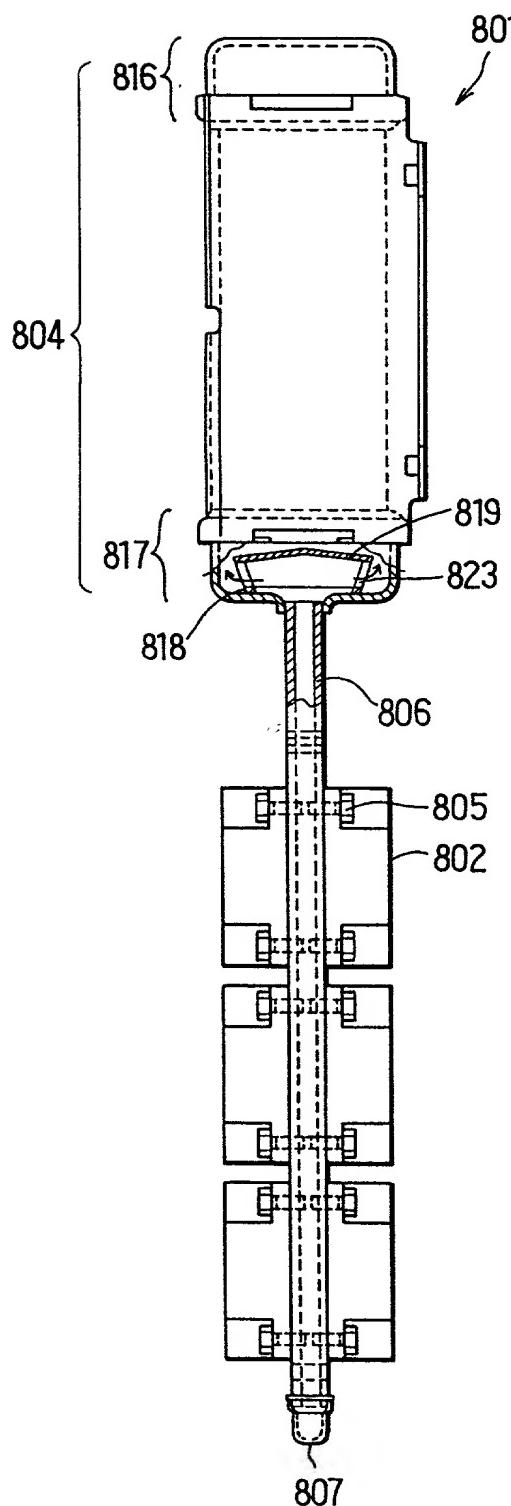


FIG. 84

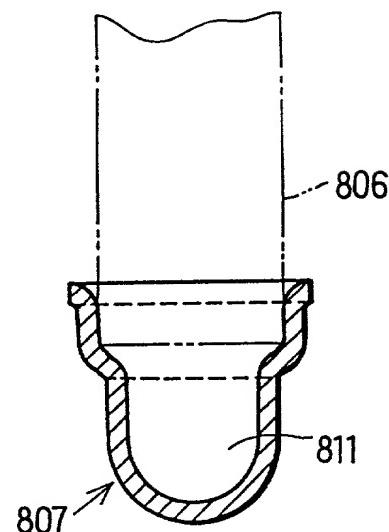
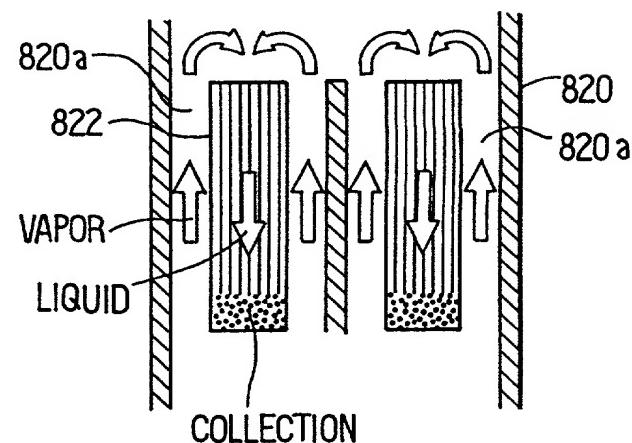


FIG. 85



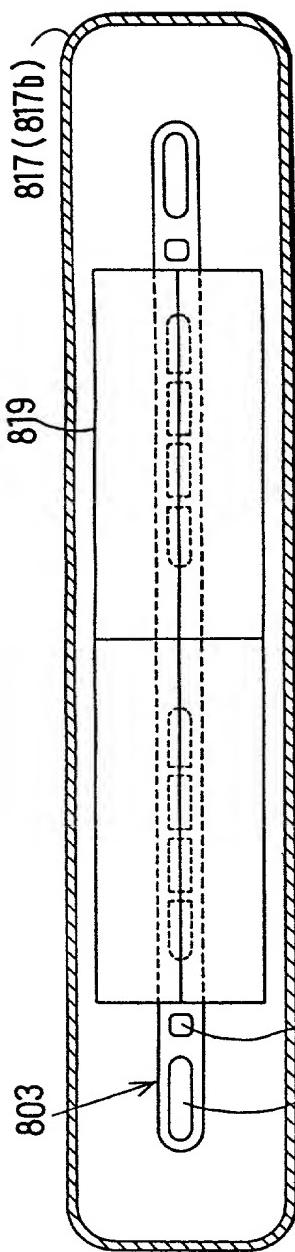


FIG. 86

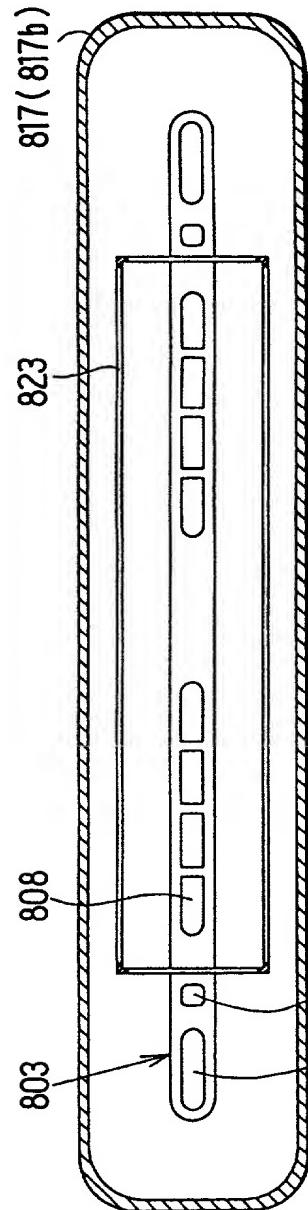


FIG. 87

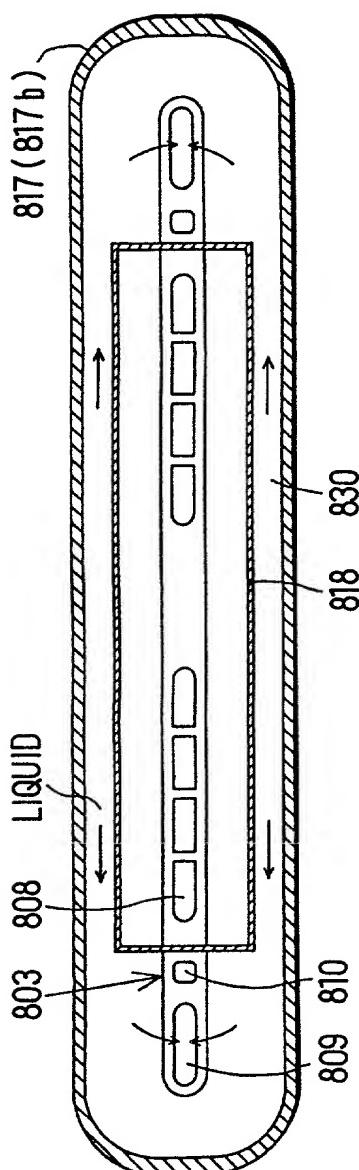


FIG. 88

Title: Cooling Apparatus Boiling and Condensing Refrigerant

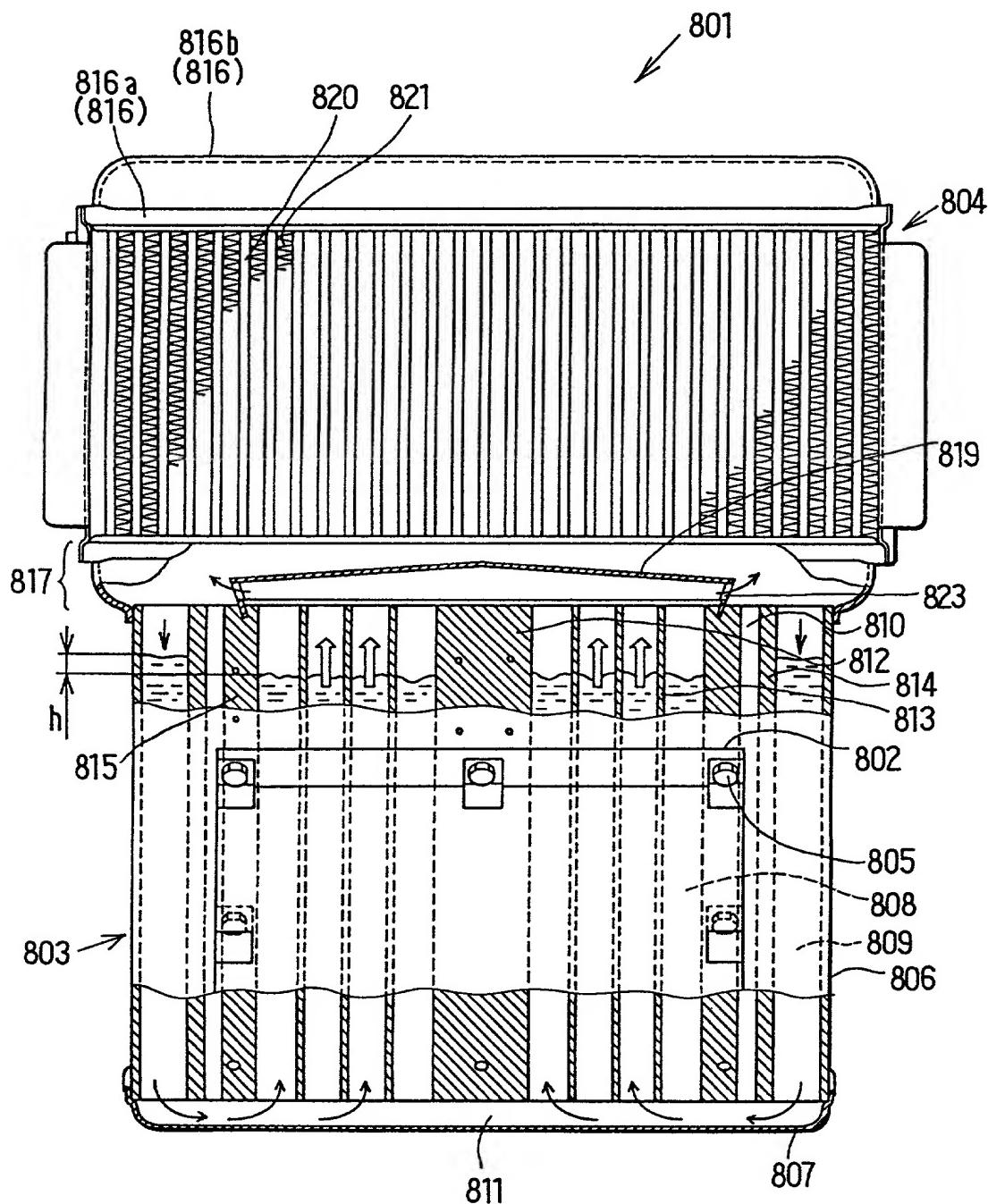
Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 89



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 90

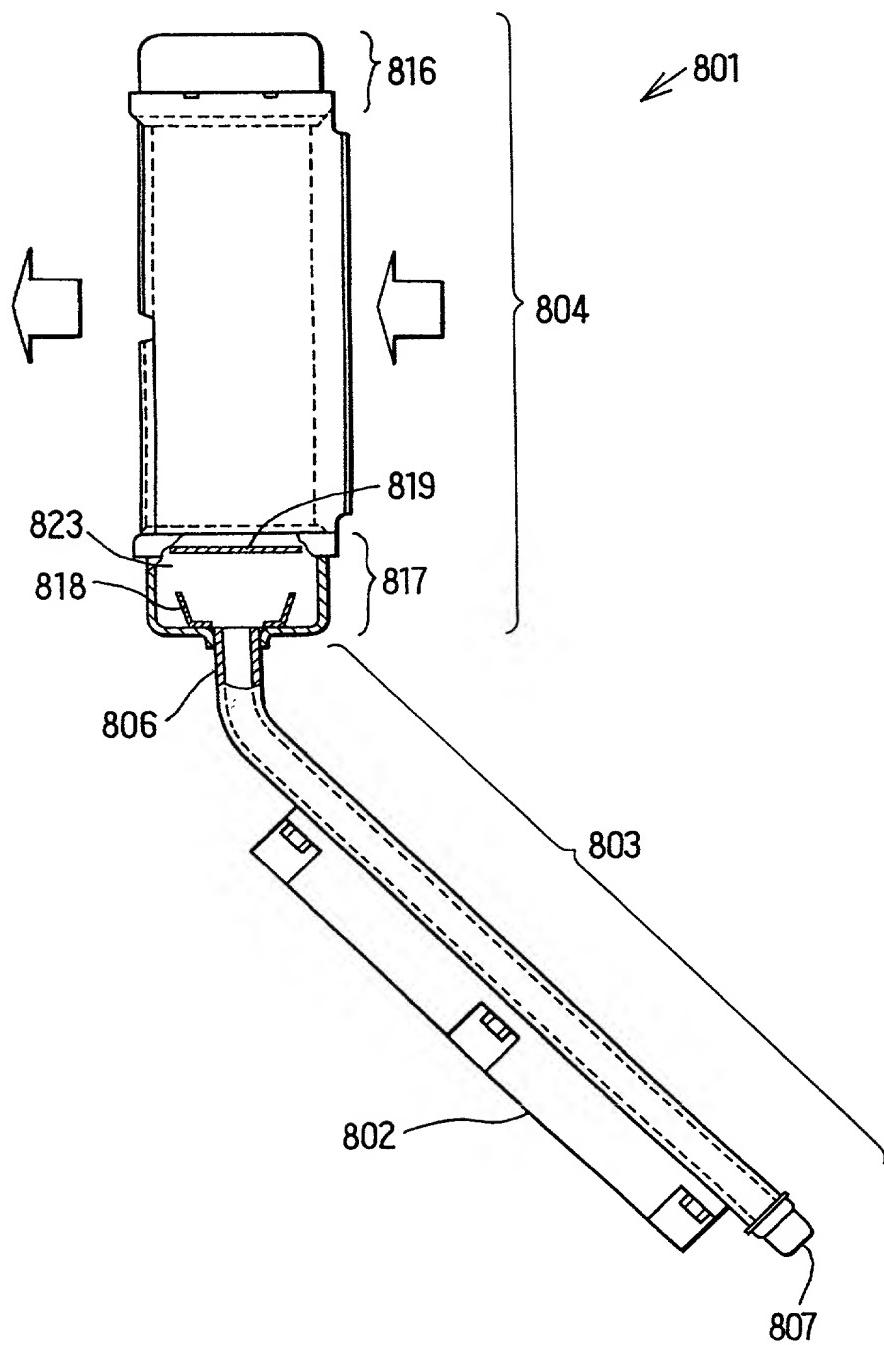
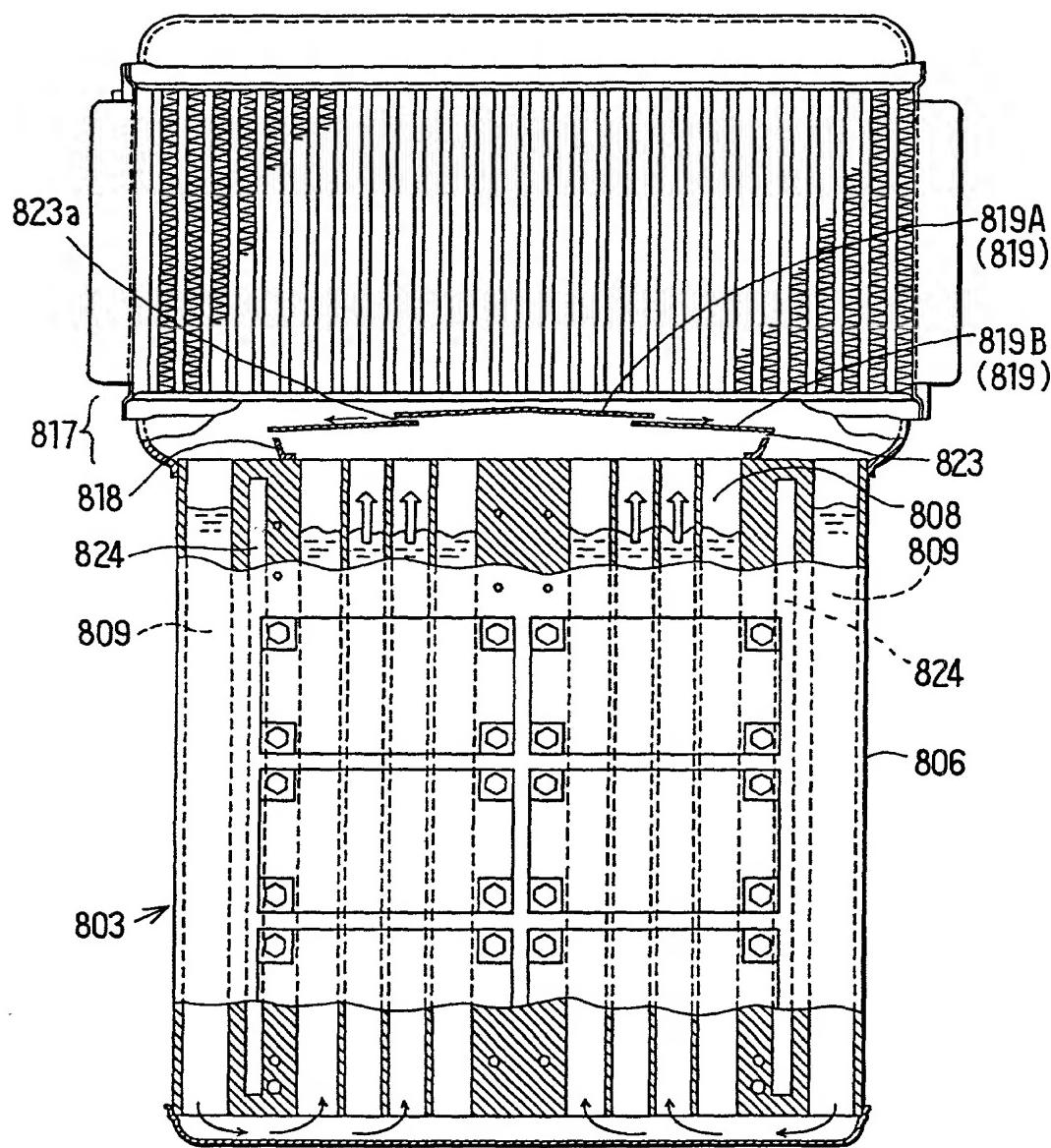


FIG. 91



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 92

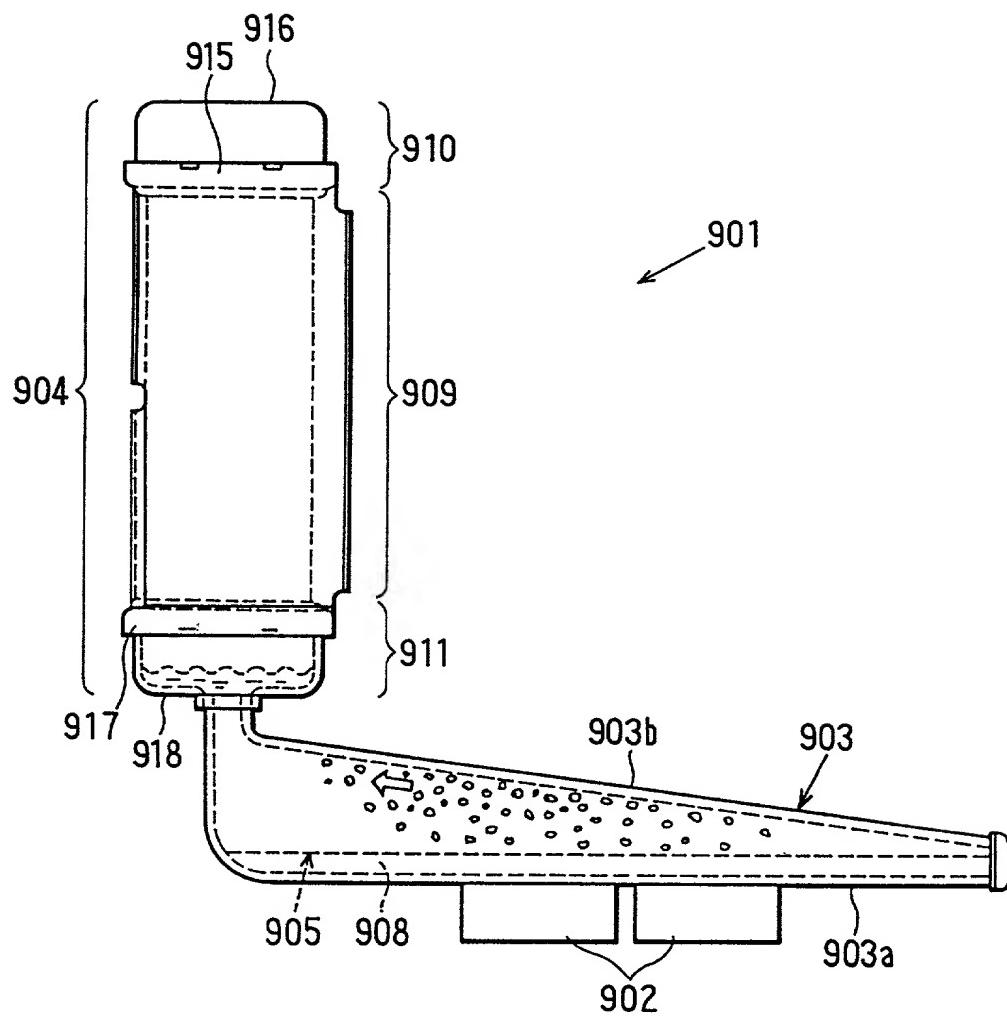
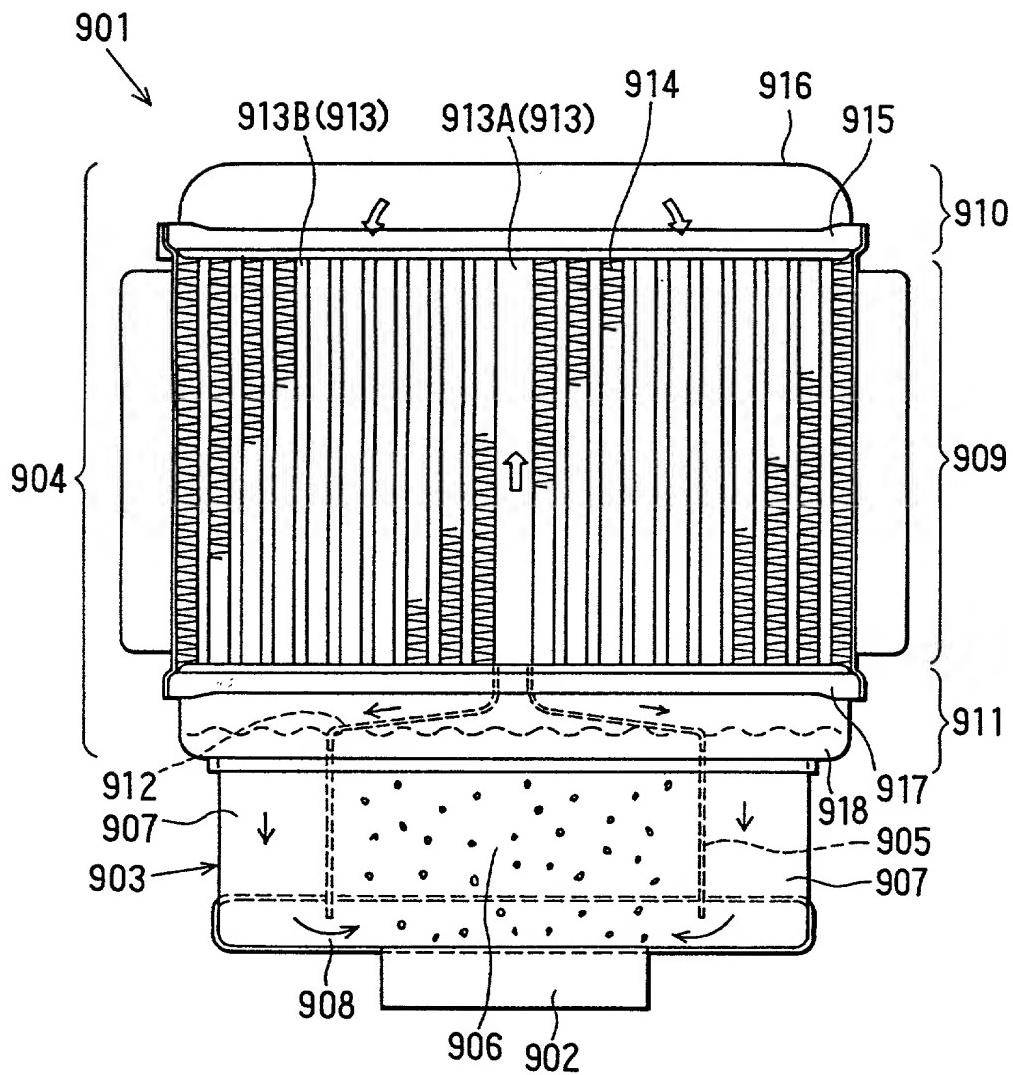


FIG. 93



Title: Cooling Apparatus Boiling and Condensing Refrigerant

Inventor: Hiroyuki Osakabe

Michael J. Schmidt, Harness, Dickey & Pierce, PLC

Atty. Ref. No.: 4041J0229DVA

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FIG. 94A

FIG. 94B

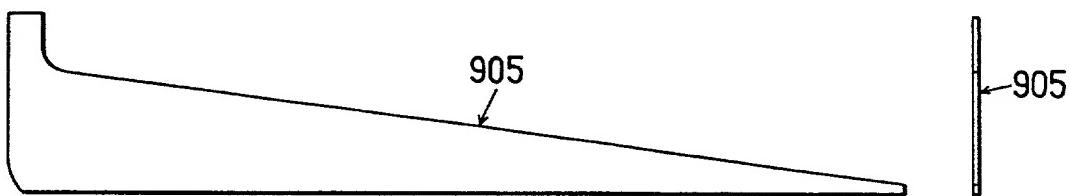
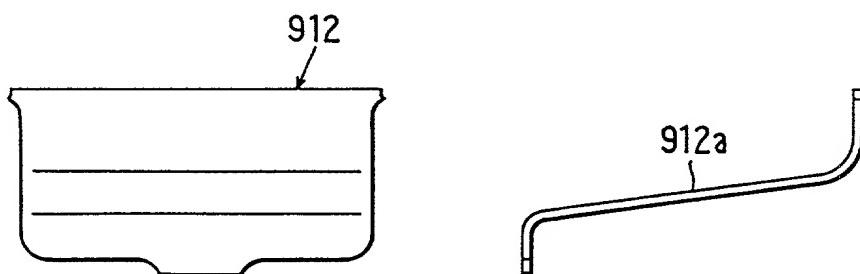


FIG. 95A

FIG. 95B



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 96

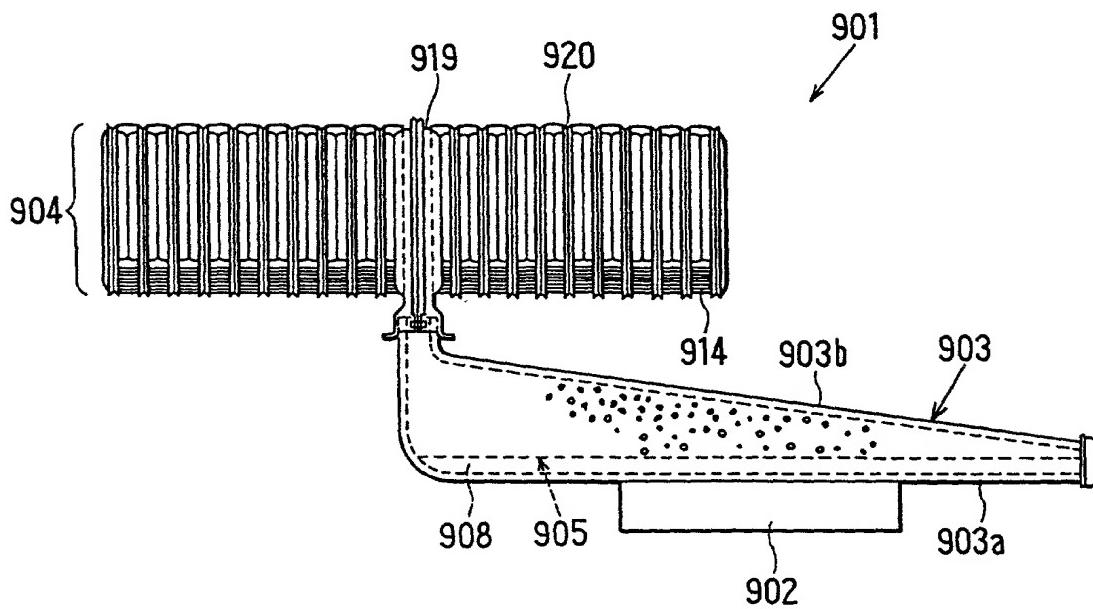
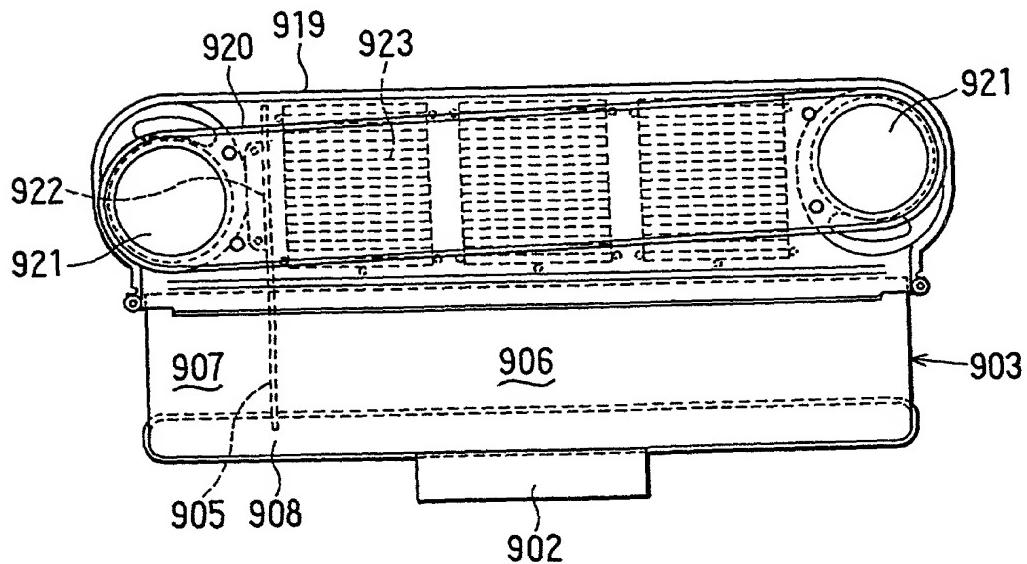


FIG. 97



Title: Cooling Apparatus Boiling and Condensing Refrigerant
Inventor: Hiroyuki Osakabe
Michael J. Schmidt, Harness, Dickey & Pierce, PLC
Atty. Ref. No.: 4041J0229DVA

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FIG. 98

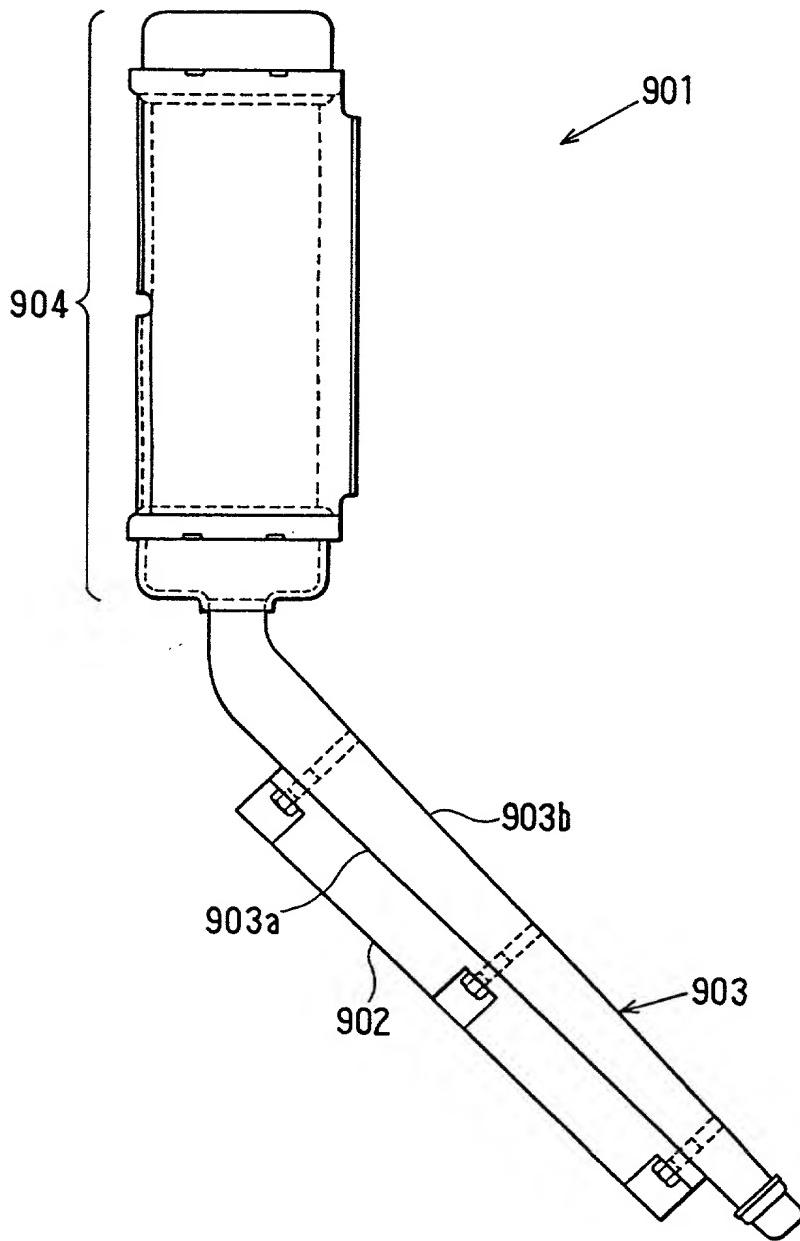


FIG. 99

